LG
Life's Good

ENGLISH

OWNER'S MANUAL

LED LCD TV

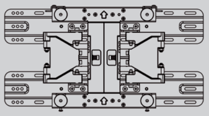
Please read this manual carefully before operating your set and retain it for future reference.

www.lg.com

Separate purchase

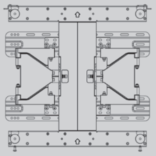
Wall Mounting Bracket

LSW200BX or
LSW200BXG



(47LX9***)

LSW400B or
LSW400BG



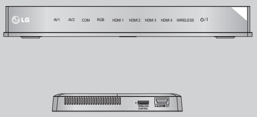
(55LX9***)

Optional extras can be changed or modified for quality improvement without any notification.

Contact your dealer for buying these items.

This device only works with compatible LG LED LCD TV.

Wireless Media Box



Wireless LAN for
Broadband/
DLNA Adaptor

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

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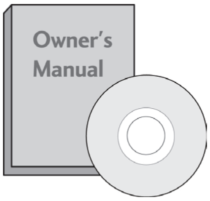
PREPARATION

LED LCD TV MODELS : 47/55LX9***

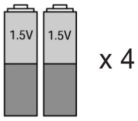
ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

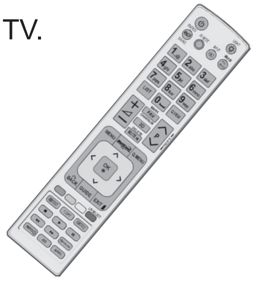
■ Image shown may differ from your TV.



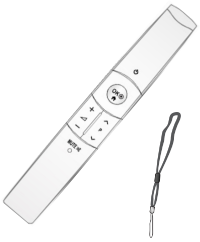
Owner's Manual



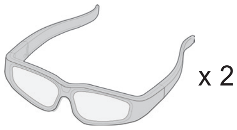
Batteries
(AAA x 2, AA x 2)



Remote Control

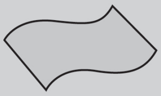


Motion Remote Control,
Strap



3D Glasses

This item is not included for all models.



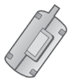
Polishing Cloth
Polishing cloth for use on the screen.

* Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.

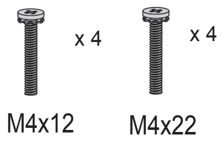
…………………………………..

Do not use excessive force. This may cause scratching or discolouration.

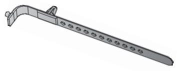
Nero MediaHome
4 Essentials CD



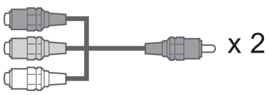
Ferrite Core
(This item is not included for all models.)



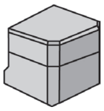
Bolts for stand assembly



Cable Holder



Component gender cable,
AV gender cable

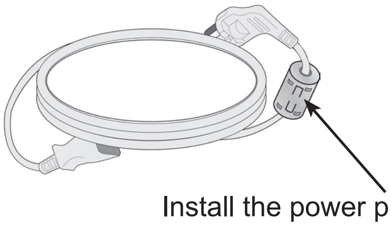


Stand Rear
Cover

Use of ferrite core (This feature is not available for all models.)

Ferrite core can be used to reduce the electromagnetic wave when connecting the power cord.

The closer the location of the ferrite core to the power plug, the better it is.



Install the power plug closely.

PREPARATION

FRONT PANEL CONTROLS

NOTE

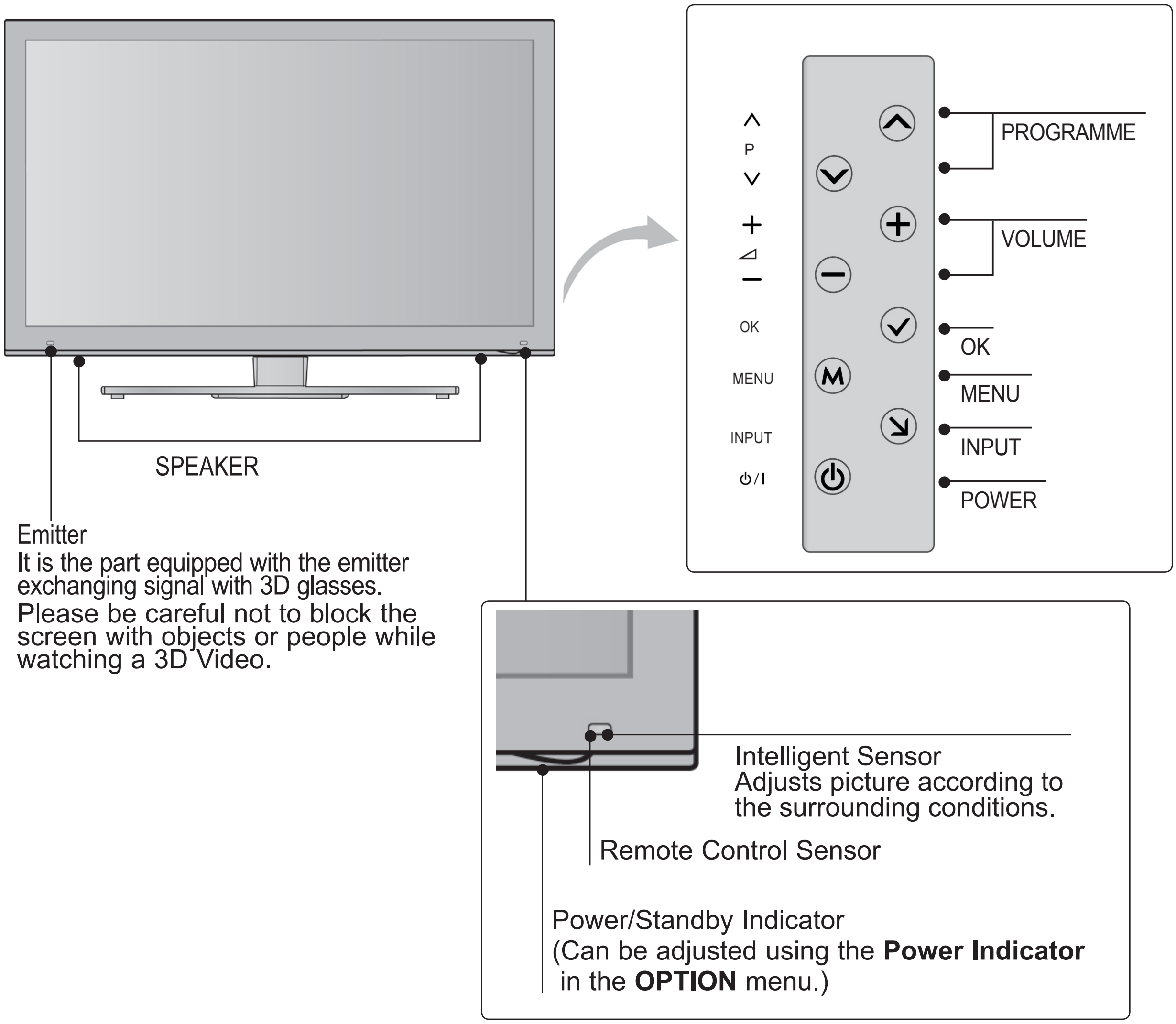
- ► TV can be placed in standby mode in order to reduce the power consumption. And TV should be switched off using the power switch on the TV if it will not be watched for some time, as this will reduce energy consumption.

The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and this will reduce the overall running cost.

CAUTION

- ► Do not step on the glass stand or subject it to any impact. It may break, causing possible injury from fragments of glass, or the TV may fall.
- ► Do not drag the TV. The floor or the product may be damaged.

■ Image shown may differ from your TV.



Emitter
It is the part equipped with the emitter exchanging signal with 3D glasses.
Please be careful not to block the screen with objects or people while watching a 3D Video.

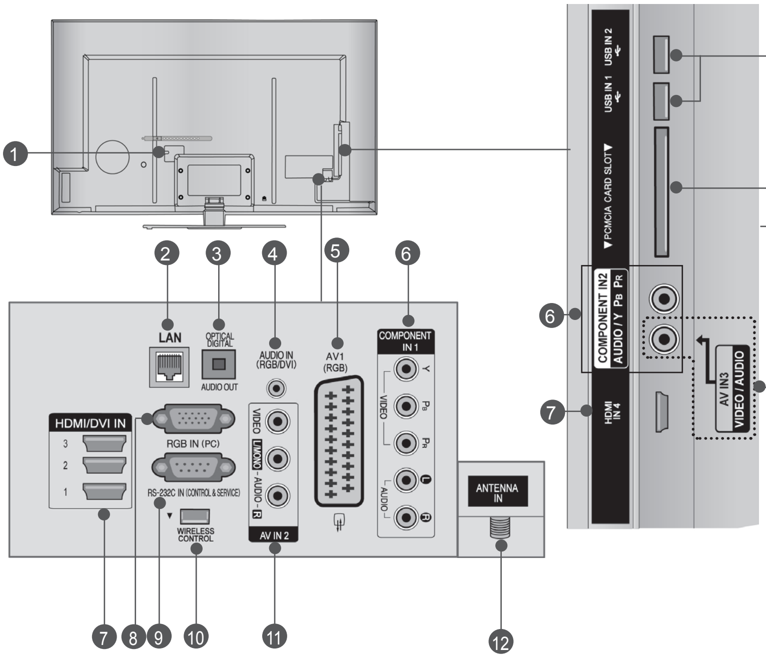
Intelligent Sensor
Adjusts picture according to the surrounding conditions.

Remote Control Sensor

Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

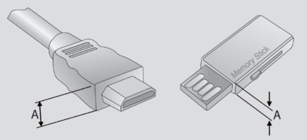
BACK PANEL INFORMATION

■ Image shown may differ from your TV.



①
②
③
④
⑤
⑥
LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
Y
PB
PR
VIDEO
AUDIO
L
R
HDMI/DVI IN
3
2
1
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
L/MONO
AUDIO
R
AV IN 2
ANTENNA IN
⑦
⑧
⑨
⑩
⑪
⑫
USB IN 2
USB IN 1
PCMCIA CARD SLOT
COMPONENT IN2
AUDIO / Y PB PR
HDMI IN 4
AV IN3
VIDEO / AUDIO
⑬
⑭
⑥
⑦
⑪

⚠ CAUTION



A
Memory Stick
A

▶ Use a product with the following thickness for optimal connection to HDMI cable (Only HDMI IN 4) / USB device.

*A ≦ 10 mm

① **Power Cord Socket**
This TV operates on an AC power. The voltage is indicated on the Specifications page. (▶ p.170 to 171) Never attempt to operate the TV on DC power.

② **LAN**
Network connection for AccuWeather, Picasa, YouTube, etc.
Also used for video, photo and music files on a local network.

③ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio to various types of equipment.
Connect to a Digital Audio Component.
Use an Optical audio cable.

④ **RGB/DVI Audio Input**
Connect the audio from a PC or DTV.

⑤ **Euro Scart Socket (AV1)**
Connect scart socket input or output from an external device to these jacks.

⑥ **Component Input**
Connect a component video/audio device to these jacks.

⑦ **HDMI/DVI IN Input**
Connect an HDMI signal to HDMI IN. Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.

⑧ **RGB IN Input**
Connect the output from a PC.

⑨ **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
This port is used for Service or Hotel mode.

⑩ **WIRELESS Control**
Connect the Wireless Ready Dongle to the TV to control the external input devices connected to Wireless Media Box wirelessly.

⑪ **Audio/Video Input**
Connect audio/video output from an external device to these jacks.

⑫ **Antenna Input**
Connect antenna or cable to this jack.

⑬ **USB Input**
Connect USB storage device to this jack.

⑭ **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
Insert the CI Module to **PCMCIA CARD SLOT**.
(This feature is not available in all countries.)

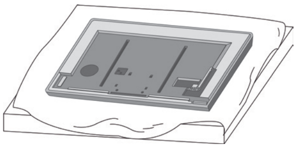
PREPARATION

STAND INSTALLATION

- Image shown may differ from your TV.

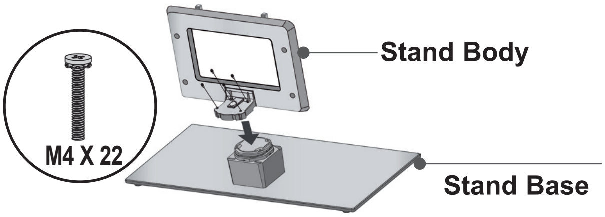
When assembling the desk type stand, check whether the bolt is fully tightened. (If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

1. Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.

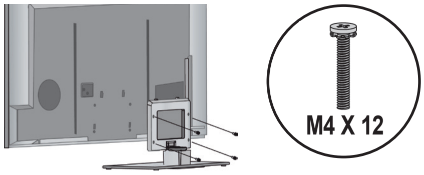


2. Assemble the parts of the **Stand Body** with the **Stand Base** of the TV.

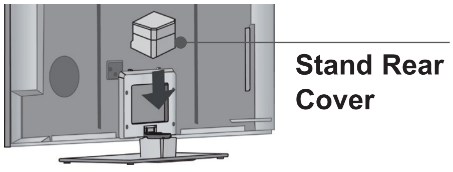
   At this time, tighten the screws that hold the **Stand Body** on.



3. Fix the 4 bolts securely using the holes in the back of the TV.



4. Assemble the parts of the **Stand Rear Cover** with the TV.

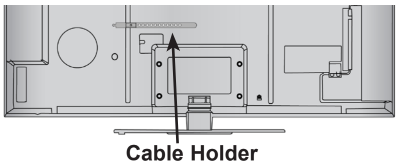


BACK COVER FOR WIRE ARRANGEMENT

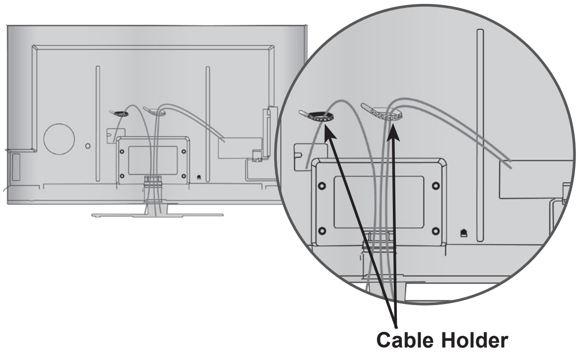
- Image shown may differ from your TV.

1. Secure the power cord with the **Cable Holder** on the TV back cover.

   It will help prevent the power cable from being removed by accident.



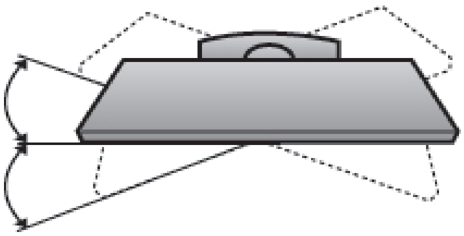
2. After connecting the cables as necessary, install **Cable Holder** as shown and bundle the cables.



SWIVEL STAND

- Image shown may differ from your TV.

After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.



KENSINGTON SECURITY SYSTEM

- This feature is not available for all models.
- Image shown may differ from your TV.

The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.

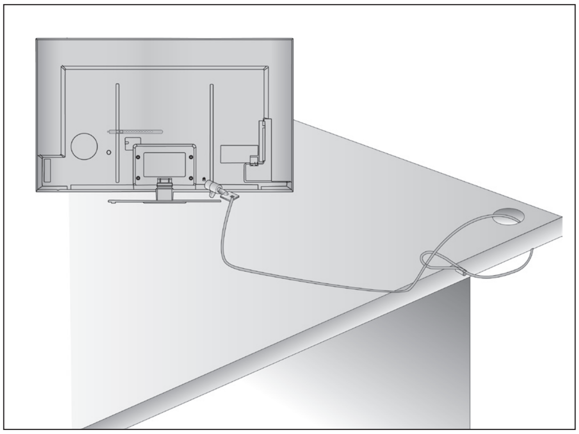
For the detailed installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.

For further information, contact http://www.kensington.com, the internet homepage of the Kensington

company. Kensington sells security systems for expensive electronic equipment such as notebook PCs and LCD projectors.

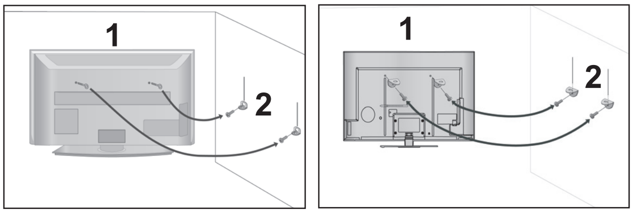
NOTE

- ▶ The Kensington Security System is an optional accessory.
- ▶ If the TV feels cold to the touch, there may be a small "flicker" when it is turned on.
  This is normal, there is nothing wrong with TV.
- ▶ Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.
- ▶ Avoid touching the LCD screen or holding your finger(s) against it for long periods of time.
  Doing so may produce some temporary distortion effects on the screen.



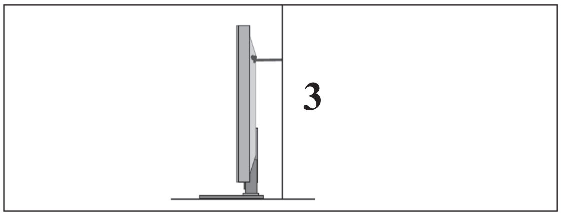
CAREFUL INSTALLATION ADVICE

- You should purchase necessary components to fix the TV safety and secure to the wall on the market.
- Position the TV close to the wall to avoid the possibility of it falling when pushed.
- The instructions shown below are a safer way to set up the TV, by fixing it to the wall, avoiding the possibility of it falling forwards if pulled. This will prevent the TV from falling forward and causing injury. This will also prevent the TV from damage. Ensure that children do not climb or hang from the TV.



① Use the eye-bolts or TV brackets/bolts to fix the product to the wall as shown in the picture.
(If your TV has bolts in the eyebolts, loosen then bolts.)
* Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

② Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.



③ Use a sturdy rope to tie the product for alignment. It is safer to tie the rope so it becomes horizontal between the wall and the product.

NOTE

- ▶ When moving the TV undo the cords first.
- ▶ Use a platform or cabinet strong and large enough to support the size and weight of the TV.
- ▶ To use the TV safely make sure that the height of the bracket on the wall and on the TV is the same.

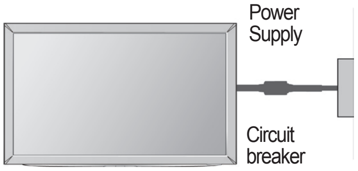
PREPARATION

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

EARTHING

Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

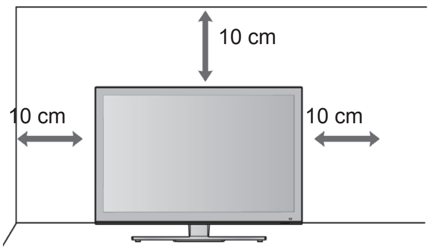
Do not try to earth the TV by connecting it to telephone wires, lightening rods or gas pipes.

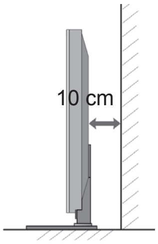


DESKTOP PEDESTAL INSTALLATION

- Image shown may differ from your TV.

For adequate ventilation allow a clearance of 10 cm all around the TV.



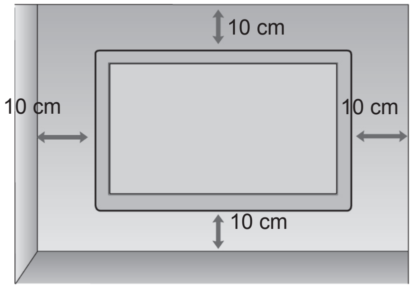


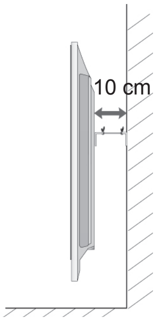
WALL MOUNT: HORIZONTAL INSTALLATION

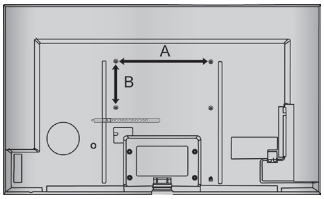
- We recommend the use of a LG Brand wall mounting bracket when mounting the TV to a wall.
- We recommend that you purchase a wall mounting bracket which supports VESA standard.
- LG recommends that wall mounting be performed by a qualified professional installer.

NOTE

- ► Should Install wall mount on a solid wall perpendicular to the floor.
- ► Should use a special wall mount, if you want to install it to ceiling or slanted wall.
- ► The surface that wall mount is to be mounted on should be of sufficient strength to support the weight of TV set; e.g. concrete, natural rock, brick and hollow block.
- ► Installing screw type and length depends on the wall mount used. Further information, refer to the instructions included with the mount.
- ► LG is not liable for any accidents or damage to property or TV due to incorrect installation:
  - Where a non-compliant VESA wall mount is used.
  - Incorrect fastening of screws to surface which may cause TV to fall and cause personal injury.
  - Not following the recommended Installation method.



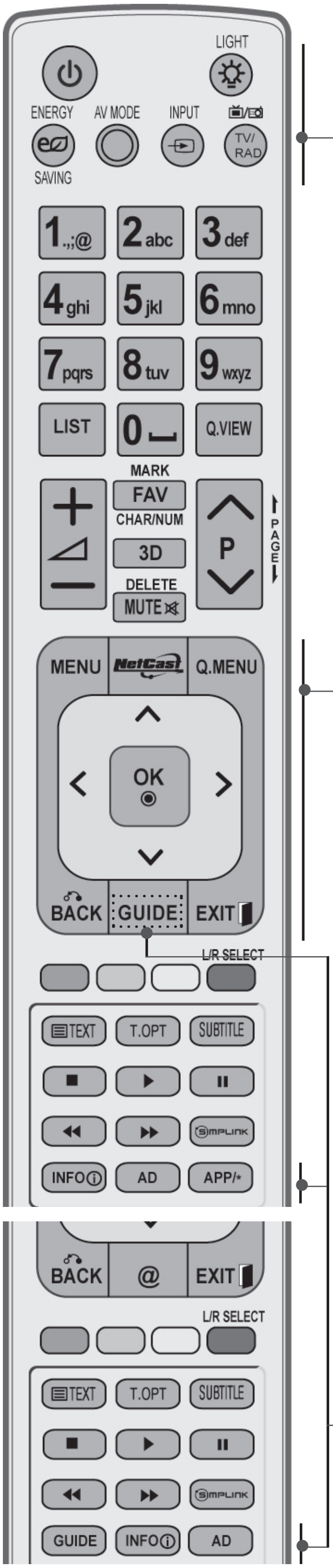




Model	VESA (A * B)	Standard Screw	Quantity
47LX9***	200 * 200	M6	4
55LX9***	400 * 400	M6	4

REMOTE CONTROL KEY FUNCTIONS

When using the remote control, aim it at the remote control sensor on the TV.

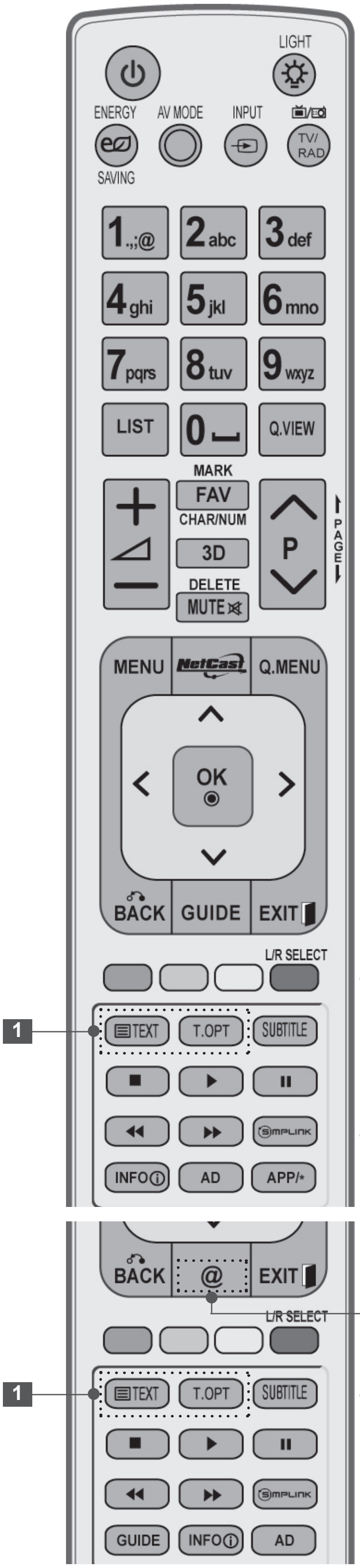

LIGHT
ENERGY
SAVING
AV MODE
INPUT
TV/
RAD
1.,;@
2abc
3def
4ghi
5jkl
6mno
7pqrs
8tuv
9wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

⏻ (POWER)	Switches the TV on from standby or off to standby.
LIGHT	You can turn the light of the remote control button on or off.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.126**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.68**)
INPUT	External input mode rotate in regular sequence. (▶ **p.59**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.33**)
NetCast	Select the desired NetCast menu source. (▶ **p.70**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.31**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide. (▶ **p.118**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 47/55LX98**)

PREPARATION


LIGHT
ENERGY SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
@
1

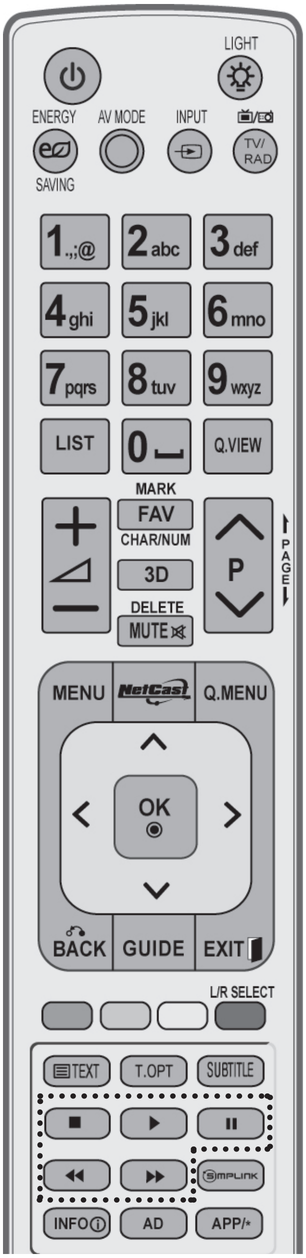
0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.57)**
Q.VIEW	Returns to the previously viewed programme.

Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.
L/R SELECT	Use this to view 3D video. (▶ **p.81**)

SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.64**)

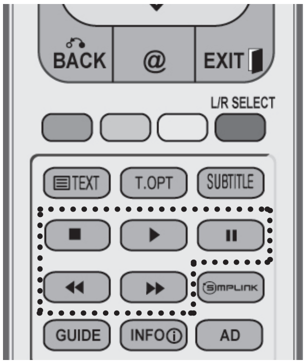
@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the ‘Teletext’ section. (▶ **p.163**)
SUBTITLE	Recalls your preferred subtitle in digital mode.

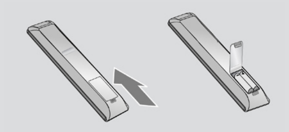

LIGHT
ENERGY SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
3D	Use this to view 3D video. (▶ **p.80**)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

SIMPLINK / MY MEDIA Menu control buttons	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).

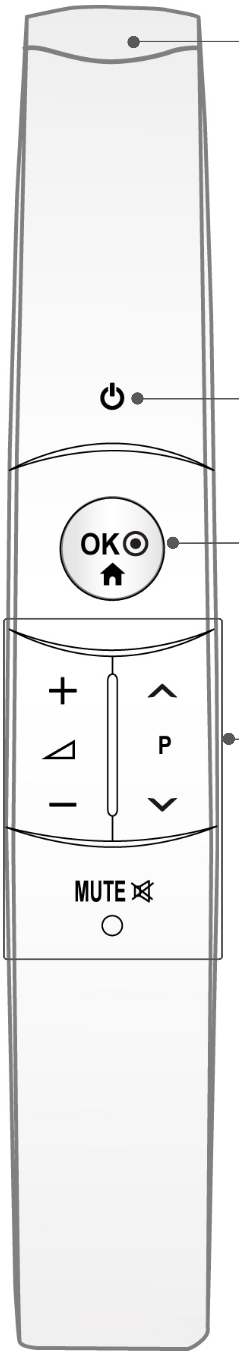

BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

Installing Batteries



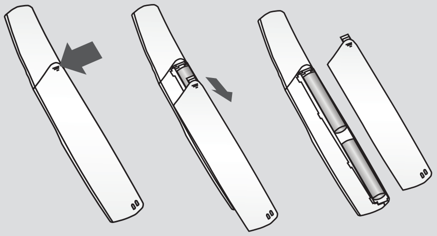
- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

MAGIC MOTION REMOTE CONTROL KEY FUNCTIONS



Pointer Receiver	Blinks the light when operating.
⏻POWER	Switches the TV on from standby or off to standby.
OK/ HOME MENU	Appears the pointer.
VOLUME UP /DOWN	Adjusts the volume.
Programme UP/DOWN	Selects a programme.
MUTE	Switches the sound on or off.

Installing Batteries



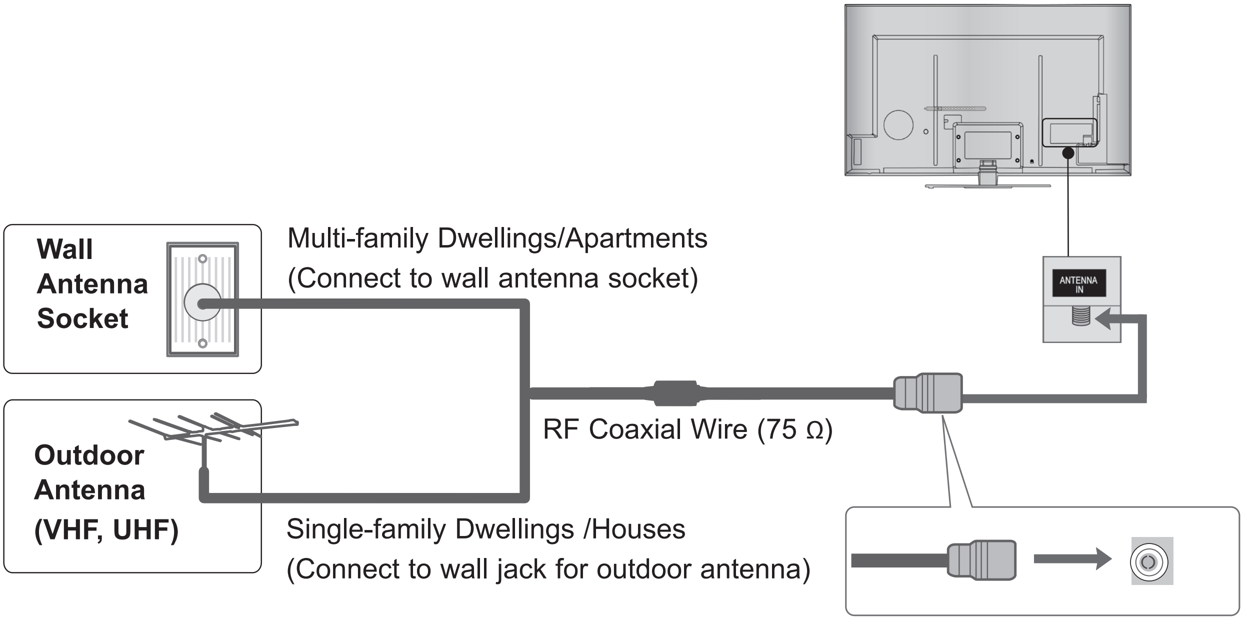
- When the message "Magic motion remote control battery is low. Change the battery." is displayed, replace the battery.
- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

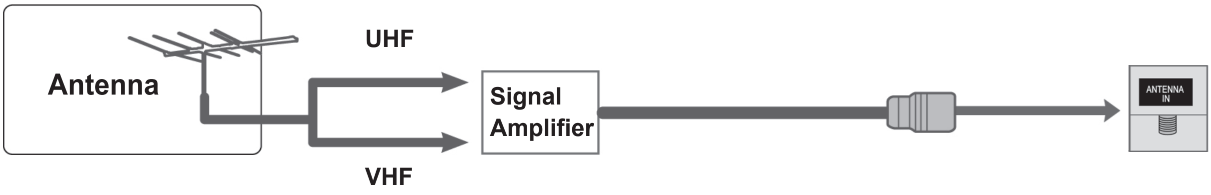
EXTERNAL EQUIPMENT SETUP

- To prevent damage do not connect to the mains outlet until all connections are made between the devices.

ANTENNA CONNECTION

- For optimum picture quality, adjust antenna direction.
- An antenna cable and converter are not supplied.


Wall Antenna Socket
Multi-family Dwellings/Apartments
(Connect to wall antenna socket)
ANTENNA IN
RF Coaxial Wire (75 Ω)
Outdoor Antenna (VHF, UHF)
Single-family Dwellings /Houses
(Connect to wall jack for outdoor antenna)


Antenna
UHF
VHF
Signal Amplifier
ANTENNA IN

- In poor signal areas, to achieve better picture quality it may be necessary to install a signal amplifier to the antenna as shown above.
- If signal needs to be split for two TVs, use an antenna signal splitter for connection.

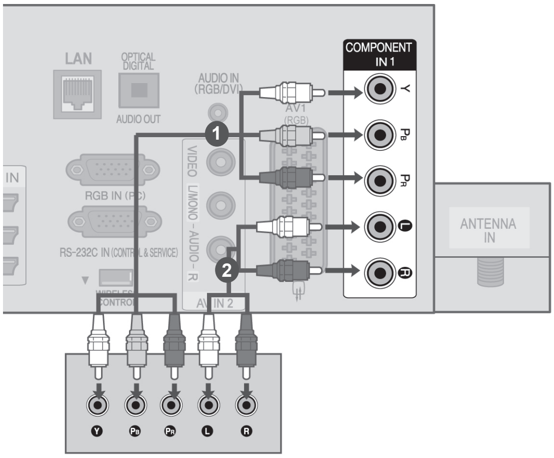
EXTERNAL EQUIPMENT SETUP

- To avoid damaging any equipment, never plug in any power cord until you have finished connecting all equipment.
- This section on **EXTERNAL EQUIPMENT SETUP** mainly uses diagrams for the 47/55LX9*** models.
- Image shown may differ from your TV.

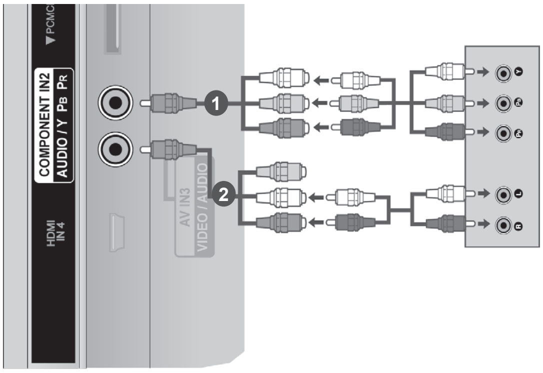
CONNECTING WITH A COMPONENT CABLE

This TV can receive Digital RF/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the diagram as shown below.

1. Connect the video outputs (Y, P_B, P_R) of the external equipment (digital set-top box, DVD, etc.) to the **COMPONENT IN VIDEO** jacks on the TV.
2. Connect the audio output of the external equipment (digital set-top box, DVD, etc.) to the **COMPONENT IN AUDIO** jacks on the TV.
3. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)
4. Select the **Component1** input source using the **INPUT** button on the remote control.
   If connected to **COMPONENT IN 2**, select **Component2** input source.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
Y
P_B
P_R
L
R
IN
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
VIDEO L/MONO – AUDIO – R
WIRELESS CONTROL
AV IN 2
ANTENNA IN
1
2
Y
P_B
P_R
L
R

or


PCMCIA
COMPONENT IN2
AUDIO / Y P_B P_R
AV IN3
VIDEO / AUDIO
HDMI IN 4
1
2

► HDMI Audio Supported format : Dolby Digital, PCM.
DTS Audio format is not supported.

Signal	Component	HDMI
480i/576i	O	X
480p/576p	O	O
720p/1080i	O	O
1080p	O (50 Hz / 60 Hz only)	O (24 Hz / 30 Hz / 50 Hz / 60 Hz)

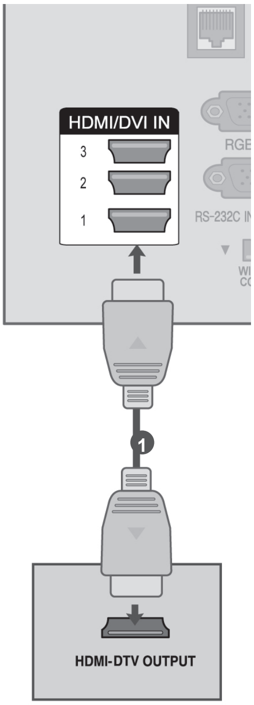
Component Input ports

To achieve better picture quality, connect a DVD player to the component input ports as shown below.

Component ports on the TV	Y	P_B	P_R
Video output ports on DVD player	Y	P_B	P_R
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

CONNECTING WITH AN HDMI CABLE

1. Connect the HDMI output of the external equipment (digital set-top box, DVD, etc.) to **HDMI/DVI IN 1**, **HDMI/DVI IN 2**, **HDMI/DVI IN 3** or **HDMI IN 4** jack on the TV.
2. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)
3. Select **HDMI1, HDMI2, HDMI3** or **HDMI4** input source using the **INPUT** button on the remote control.



NOTE

- ► The TV can receive video and audio signals simultaneously when using an HDMI cable.
- ► If the DVD does not support Auto HDMI, you must set the output resolution appropriately.
- ► Check that your HDMI cable is High Speed HDMI Cable. If the HDMI cables are not High Speed HDMI Cable, flickering or no screen display can result. Please use the High Speed HDMI Cable.

EXTERNAL EQUIPMENT SETUP

CONNECTING WITH AN HDMI TO DVI CABLE

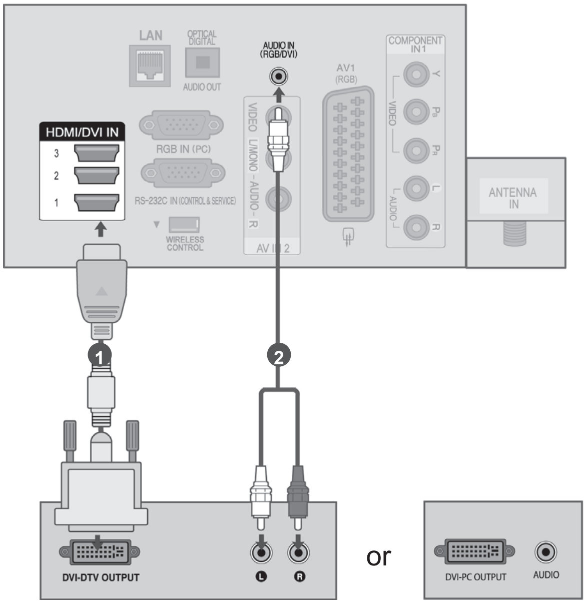
① Connect the digital set-top box or the DVI output of the PC to **HDMI/DVI IN 1**, **HDMI/DVI IN 2**, **HDMI/DVI IN 3** or **HDMI IN 4** jack on the TV.

② Connect the audio output of the digital set-top box or the PC audio output to the **AUDIO IN (RGB/DVI)** jack on the TV.

③ Turn on the digital set-top box or the PC and the TV.

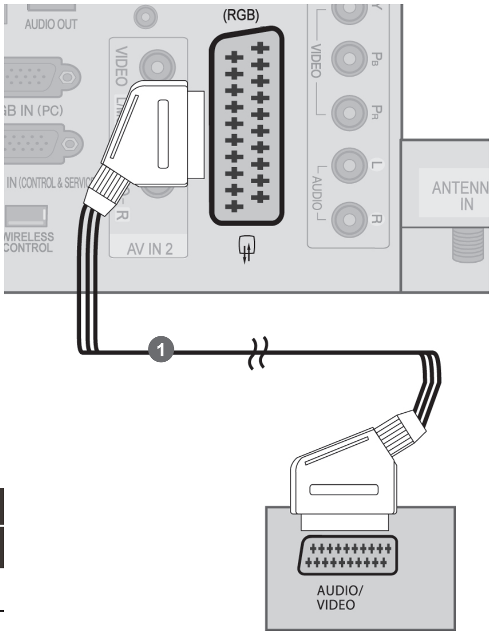
(Refer to the digital set-top box or the PC manual for operating instructions.)

④ Select **HDMI1, HDMI2, HDMI3** or **HDMI4** input source using the **INPUT** button on the remote control.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
Y
PB
PR
L
R
VIDEO
AUDIO
HDMI/DVI IN
3
2
1
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO L/MONO – AUDIO – R
AV IN 2
ANTENNA IN
1
2
DVI-DTV OUTPUT
L
R
or
DVI-PC OUTPUT
AUDIO

CONNECTING WITH A EURO SCART CABLE

1. Connect the Euro scart socket of the external equipment (DVD, VCR, etc.) to the **AV1** Euro scart socket on the TV.
2. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)
3. Select **AV1** input source using the **INPUT** button on the remote control.


AUDIO OUT
(RGB)
B IN (PC)
IN (CONTROL & SERVI
WIRELESS CONTROL
VIDEO
AV IN 2
VIDEO
PB
PR
AUDIO
L
R
ANTENN
IN
1
AUDIO/
VIDEO

Scart	Input			Output
	Video	Audio	RGB	Video, Audio
AV1	O	O	O	Analogue TV, Digital TV

Output Type / Current input mode	AV1 (TV Out)	AV1 (When DTV scheduled recording is in progress using recording equipment.)
Digital TV	Digital TV	O
Analogue TV, AV	Analogue TV	O (The input mode is converted to DTV.)
Component/RGB	Analogue TV	
HDMI	X	X

► TV Out : Outputs Analogue TV or Digital TV signals.

❗ NOTE

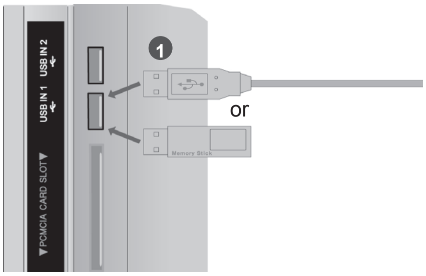
► Any Euro scart cable used must be signal shielded.

EXTERNAL EQUIPMENT SETUP

USB SETUP

① Connect the USB device to the **USB IN 1** or **USB IN 2** jack on the TV.

② After connecting the **USB IN 1** or **USB IN 2** jack, you use the **USB** function. (▶ **p.82)**


USB IN 2
USB IN 1
PCMCIA CARD SLOT
1
or
Memory Stick

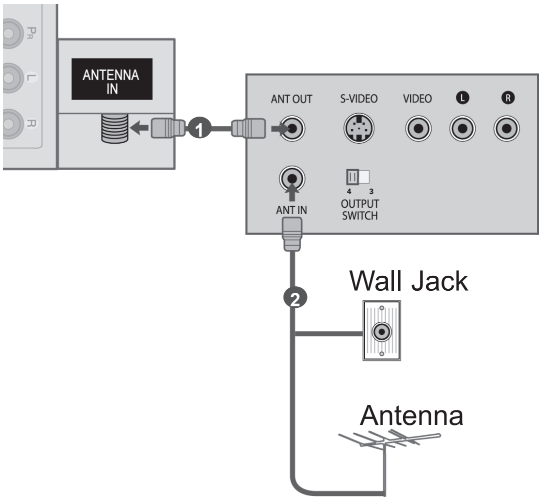
CONNECTING WITH AN RF CABLE

To avoid picture noise (interference), allow adequate distance between the VCR and TV.

① Connect the **ANT OUT** socket of the VCR to the **ANTENNA IN** socket on the TV.

② Connect the antenna cable to the **ANT IN** socket of the VCR.

③ Press the **PLAY** button on the VCR and match the appropriate channel between the TV and VCR for viewing.


PR
L
R
ANTENNA IN
1
ANT OUT
S-VIDEO
VIDEO
L
R
ANT IN
4 3
OUTPUT SWITCH
2
Wall Jack
Antenna

CONNECTING WITH AN RCA CABLE

① Connect the **AUDIO**/**VIDEO** jacks between TV and VCR or external equipment. Match the jack colours (Video = yellow, Audio Left = white, and Audio Right = red)

② Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)

Or, Operate the corresponding external equipment.

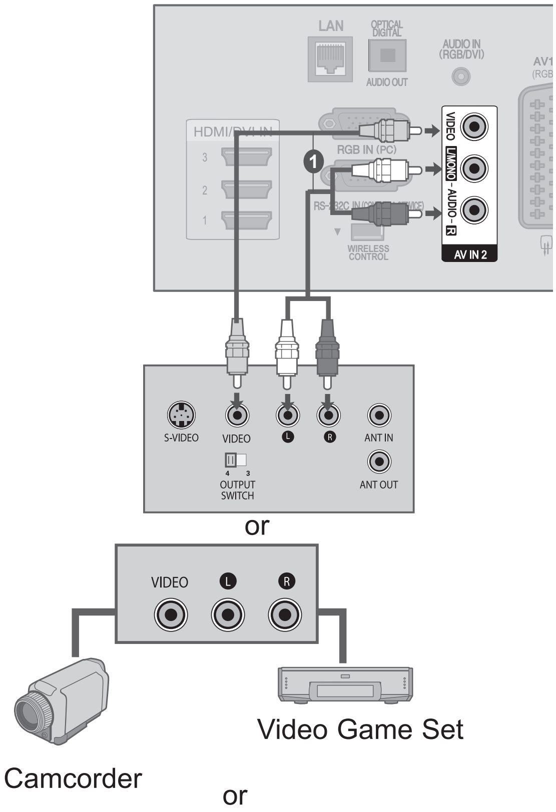
(Refer to external equipment operating guide.)

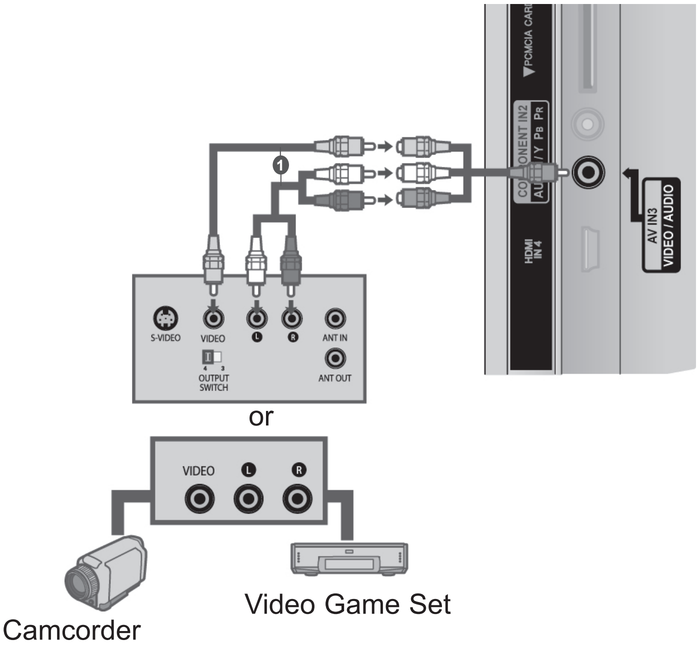
③ Select **AV2** input source using the **INPUT** button on the remote control.

If connected to **AV IN 3**, select **AV3** input source.

NOTE

- If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** jack of the TV.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1
HDMI/DVI IN
3
2
1
RGB IN (PC)
RS-232C IN
WIRELESS CONTROL
VIDEO
L/MONO - AUDIO - R
AV IN 2
1
S-VIDEO
VIDEO
L
R
ANT IN
4 3
OUTPUT SWITCH
ANT OUT
or
VIDEO
L
R
Video Game Set
Camcorder
or


PCMCIA CARD
COMPONENT IN2
AUDIO / Y PB PR
1
HDMI IN 4
AV IN3
VIDEO / AUDIO
S-VIDEO
VIDEO
L
R
ANT IN
4 3
OUTPUT SWITCH
ANT OUT
or
VIDEO
L
R
Video Game Set
Camcorder

CONNECTING WITH A D-SUB 15 PIN CABLE

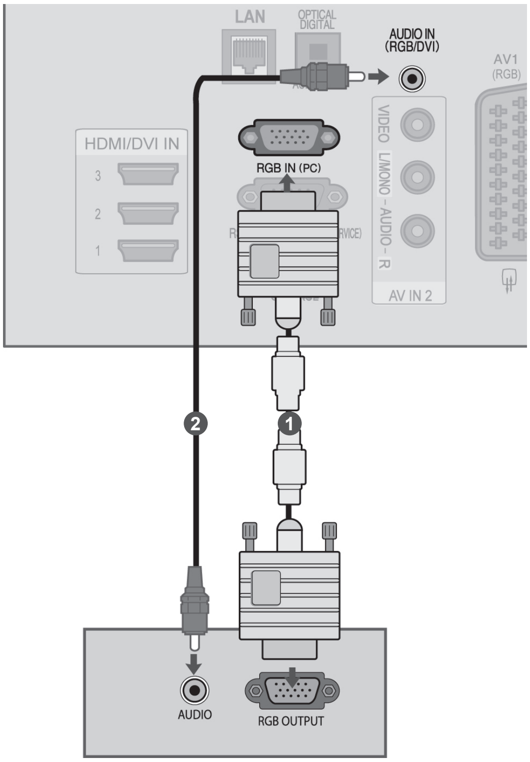
This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings.

① Connect the RGB output of the PC to the **RGB IN (PC)** jack on the TV.

② Connect the PC audio output to the **AUDIO IN (RGB/DVI)** jack on the TV.

③ Turn on the PC and the TV

④ Select **RGB** input source using the INPUT button on the remote control.

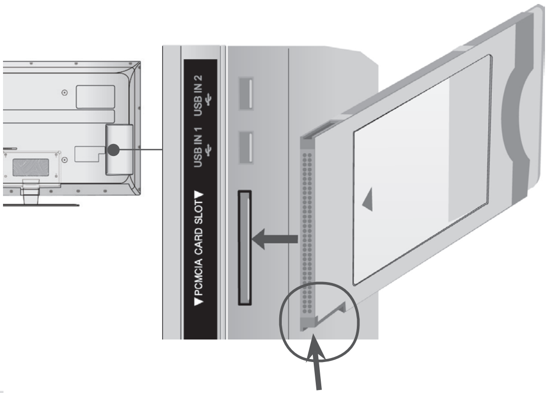

LAN
OPTICAL DIGITAL
AUDIO IN (RGB/DVI)
AV1 (RGB)
HDMI/DVI IN
3
2
1
RGB IN (PC)
VIDEO
L/MONO – AUDIO – R
AV IN 2
2
1
AUDIO
RGB OUTPUT

INSERTION OF A CI MODULE

To view the encrypted (pay) services in digital TV mode.
This feature is not available in all countries.

❶ Insert the CI Module to **PCMCIA** (Personal Computer Memory Card International Association) **CARD SLOT** of TV as shown.

For further information, see p.50.



Check this point as shown and insert the CI Module.

! NOTE

- ▶ Check if the CI module is inserted into the PCMCIA card slot in the right direction. If the module is not inserted properly, this can cause damage to the TV and the PCMCIA card slot.

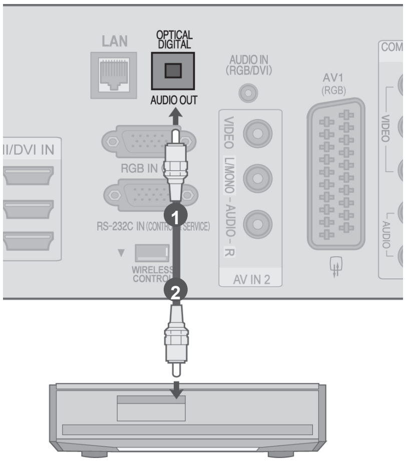
DIGITAL AUDIO OUT SETUP

Sending the TV’s audio signal to external audio equipment via the Digital Audio Output (Optical) port.
If you want to enjoy digital broadcasting through 5.1-channel speakers, connect the OPTICAL DIGITAL AUDIO OUT terminal on the back of TV to a Home Theater (or amp).

1 Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.

2 Connect the other end of the optical cable to the digital audio (Optical) input on the audio equipment.

3 Set the “TV Speaker option - Off ” in the AUDIO menu.(▶ **p.145**). Refer to the external audio equipment instruction manual for operation.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COM
I/DVI IN
RGB IN
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO L/MONO – AUDIO – R
AV IN 2
VIDEO
AUDIO
1
2

⚠ CAUTION

- ▶ Do not look into the optical output port. Looking at the laser beam may damage your vision.

EXTERNAL EQUIPMENT WIRELESS CONNECTION

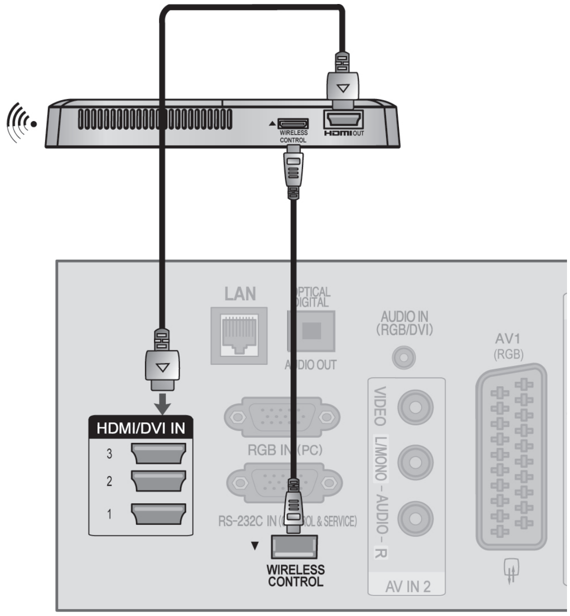
LG TVs with a Wireless Control port support the LG Wireless Media Box, which is sold separately. When you connect the Wireless Ready Dongle (included with the Wireless Media Box) to the TV, external devices can be connected to the LG Wireless Media Box and video and audio will be sent to the TV wirelessly.

After the wireless is connected, press the **INPUT** button to view the wireless input screen.
Refer to the Wireless Media Box manual for operating instructions.

1. Connect the **WIRELESS CONTROL** jack of the Wireless Ready Dongle to the **WIRELESS CONTROL** jack on the TV.
2. Connect **HDMI OUT** jack of the Wireless Ready Dongle to the **HDMI/DVI IN 1**, **HDMI/ DVI IN 2**, **HDMI/DVI IN 3** or **HDMI IN 4** jack on the TV.

LG
AV1
AV2
COM
RGB
HDMI 1
HDMI 2
HDMI 3
HDMI 4
WIRELESS

LG Wireless Media Box


WIRELESS CONTROL
HDMI OUT
LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
HDMI/DVI IN
3
2
1
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
VIDEO L/MONO – AUDIO – R
WIRELESS CONTROL
AV IN 2

NOTE

- ► **WIRELESS CONTROL** : Wireless Ready Dongle power supply and control usage.
- ► **HDMI** : Video/Audio signal is connected in Wireless Ready Dongle.
- ► When you connect to the Wireless Media Box (Separately sold product), you can watch the external device connected to the Wireless Media Box through wireless connection.
- ► When using the external device connected to the Wireless Media Box, some functions of the TV menu may not work.
- ► In wireless external output, Real Cinema and Digital Noise Reduction functions are not supported.

EXTERNAL EQUIPMENT SETUP

SUPPORTED DISPLAY RESOLUTION

RGB-PC, HDMI/DVI-PC mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x400	31.468	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1280x768	47.78	59.87
1360x768	47.72	59.80
1280x1024	63.981	60.02
1920x1080 (RGB-PC)	66.587	59.93
1920x1080 (HDMI-PC)	67.5	60.00

(Except for 47/55LX9***-HDMI/DVI-PC mode)

HDMI/DVI-DTV mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x480	31.469	59.94
	31.5	60
720x576	31.25	50
1280x720	37.5	50
	44.96	59.94
	45	60
1920x1080	33.72	59.94
	33.75	60
	28.125	50
	26.97	23.97
	27	24
	33.716	29.976
	33.75	30.00
	56.25	50
	67.43	59.94
	67.5	60

❗ NOTE

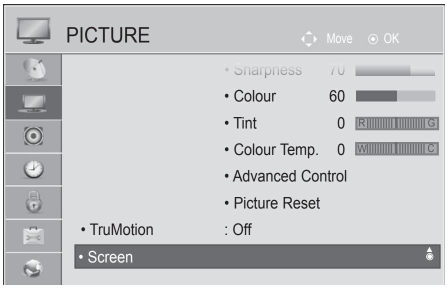
- ▶ Avoid keeping a fixed image on the set's screen for prolonged periods of time. The fixed image may become permanently imprinted on the screen; use a screen saver when possible.
- ▶ There may be interference relating to resolution, vertical pattern, contrast or brightness in PC mode. Change the PC mode to another resolution or change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.
- ▶ The synchronization input waveform for Horizontal and Vertical frequencies are separate.
- ▶ We recommend using 1920x1080, 60 Hz for the PC mode, this should provide the best picture quality.
- ▶ Connect the signal cable from the monitor output port of the PC to the RGB (PC) port of the TV or the signal cable from the HDMI output port of the PC to the HDMI IN (or HDMI/DVI IN) port on the TV.
- ▶ Connect the audio cable from the PC to the Audio input on the TV. (Audio cables are not included with the TV).
- ▶ If using a sound card, adjust PC sound as required.
- ▶ If the graphic card on the PC does not output analogue and digital RGB simultaneously, connect only one of either RGB or HDMI IN (or HDMI/DVI IN) to display the PC output on the TV.
- ▶ If the graphic card on the PC does output analogue and digital RGB simultaneously, set the TV to either RGB or HDMI; (the other mode is set to Plug and Play automatically by the TV.)
- ▶ DOS mode may not work depending on the video card if you use an HDMI to DVI cable.
- ▶ If you use too long an RGB-PC cable, there may be interference on the screen. We recommend using under 5m of cable. This provides the best picture quality.

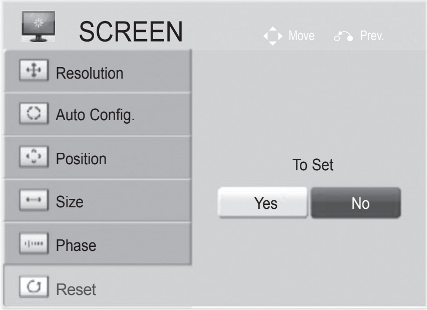
SCREEN SETUP FOR PC MODE

Screen Reset

Returns Position, Size and Phase to the factory default settings.

This function works in the following mode : RGB[PC].


PICTURE
Move
OK
• Sharpness 70
• Colour 60
• Tint 0 R G
• Colour Temp. 0 W C
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen


SCREEN
Move
Prev.
Resolution
Auto Config.
Position
Size
Phase
Reset
To Set
Yes
No

---

1 Select **PICTURE**.

2 Select **Screen**.

3 Select **Reset**.

4 Select **Yes**.

5 Run **Reset**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

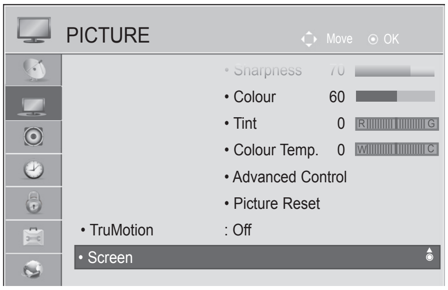
EXTERNAL EQUIPMENT SETUP

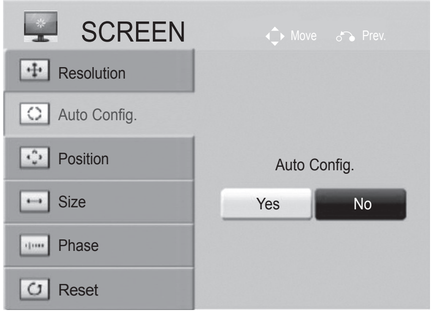
Auto Configure (RGB [PC] mode only)

Automatically adjusts the picture position and minimizes image instability. After adjustment, if the image is still not correct, your TV is functioning properly but needs further adjustment.

Auto configure

This function is for automatic adjustment of the screen position, size, and phase The displayed image will be unstable for a few seconds while the auto configuration is in progress.


PICTURE
Move
OK
• Sharpness 70
• Colour 60
• Tint 0 R G
• Colour Temp. 0 W C
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen


SCREEN
Move
Prev.
Resolution
Auto Config.
Position
Size
Phase
Reset
Auto Config.
Yes
No

1. Select **PICTURE**.
2. Select **Screen**.
3. Select **Auto Config.**.
4. Select **Yes**.
5. Run **Auto Config.**.

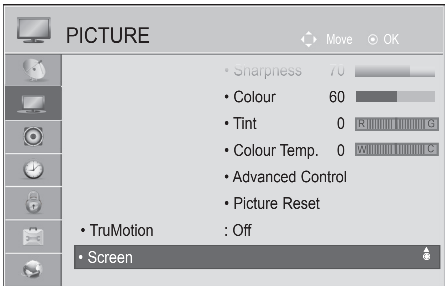
- If the position of the image is still not correct, try Auto adjustment again.
- If picture needs to be adjusted again after Auto adjustment in RGB (PC), you can adjust the **Position**, **Size** or **Phase**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

Selecting Resolution

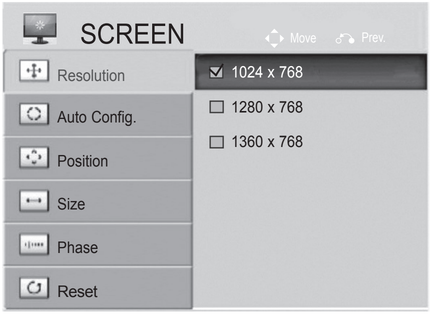
To view a normal picture, match the resolution of RGB mode and selection of PC mode.

This function works in the following mode: RGB[PC]



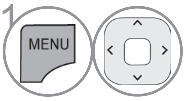
PICTURE
Move
OK

• Sharpness 70
• Colour 60
• Tint 0 R G
• Colour Temp. 0 W C
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen

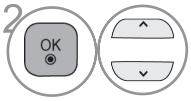


SCREEN
Move
Prev.
Resolution
Auto Config.
Position
Size
Phase
Reset

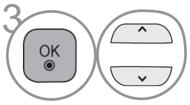
☑ 1024 x 768
☐ 1280 x 768
☐ 1360 x 768

1 

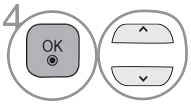
Select **PICTURE**.

2 

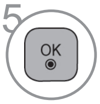
Select **Screen**.

3 

Select **Resolution**.

4 

Select the desired resolution.

5 

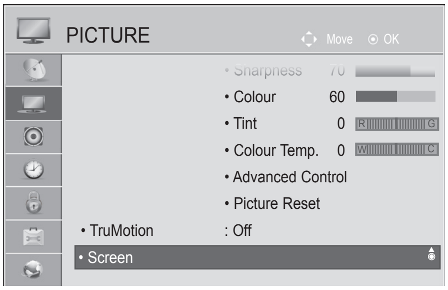
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

EXTERNAL EQUIPMENT SETUP

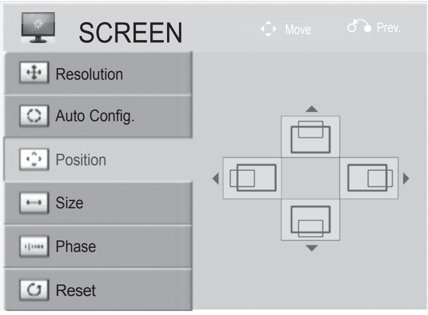
Adjustment for screen Position, Size, Phase

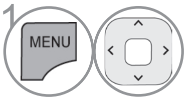
If the picture is not clear after auto adjustment and especially if characters are still trembling, adjust the picture position manually.

This function works in the following mode : RGB[PC].

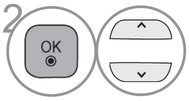

PICTURE
Move
OK

• Sharpness 70
• Colour 60
• Tint 0
• Colour Temp. 0
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen

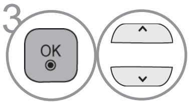

SCREEN
Move
Prev.
Resolution
Auto Config.
Position
Size
Phase
Reset



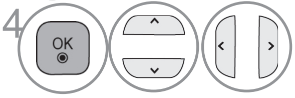
Select **PICTURE**.



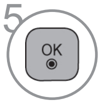
Select **Screen**.



Select **Position**, **Size** or **Phase**.



Make appropriate adjustments.

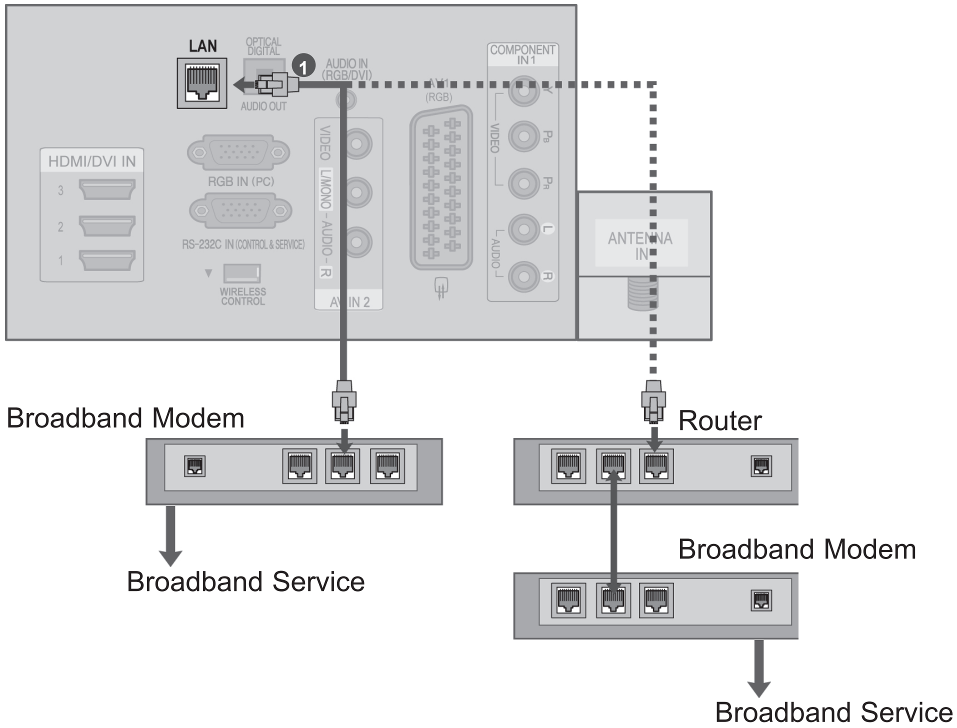


- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NETWORK SETUP

Wired Network Connection

This TV can be connected to a local area network (LAN) via the LAN port. After making the physical connection, the TV needs to be set up for network communication.


LAN
OPTICAL DIGITAL
AUDIO OUT
1
AUDIO IN (RGB/DVI)
AV 1 (RGB)
COMPONENT IN 1
Y
PB
PR
VIDEO
AUDIO
L
R
HDMI/DVI IN
3
2
1
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
L/MONO – AUDIO – R
AV IN 2
ANTENNA IN
Broadband Modem
Router
Broadband Modem
Broadband Service
Broadband Service

---

① Connect the LAN port of the Modem or Router to the LAN port on the TV.

② Select “**Network Setting**” in the **NETWORK** menu.

③ After connecting the **LAN** port, use the **NetCast** menu.
For more information about NETCAST setup and trouble-shooting, visit http://lgknowledgebase.com. Search for **NetCast**.

⚠ CAUTION

- ► Do not connect a modular phone cable to the LAN port.
- ► Since there are various connection methods, please follow the specifications of your telecommunication carrier or internet service provider.

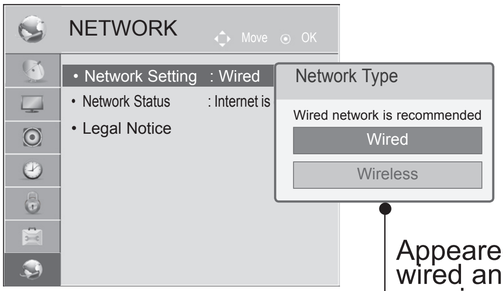
EXTERNAL EQUIPMENT SETUP

Wired Network Setup

If wired and wireless networks are both available, wired is the preferred method.

After making a physical connection, a small number of home networks may require the TV network settings to be adjusted.

For detail information, contact your internet provider or router manual.



NETWORK

- Network Setting : Wired
- Network Status : Internet is
- Legal Notice

Network Type

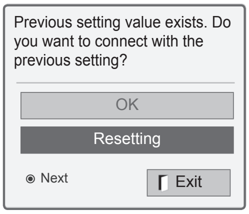
Wired network is recommended

Wired

Wireless

Appeared when wired and wireless are simultaneously connected.

If you already set the **Network Setting**

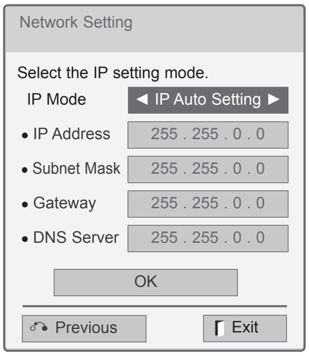


Previous setting value exists. Do you want to connect with the previous setting?

OK

Resetting

IP Auto Setting



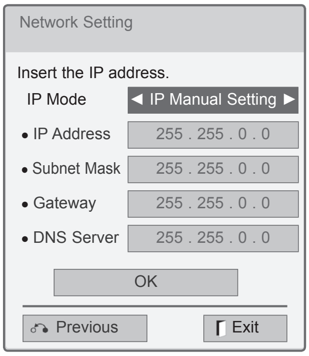
Network Setting

Select the IP setting mode.

IP Mode ◄ IP Auto Setting ►

- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0

IP Manual Setting

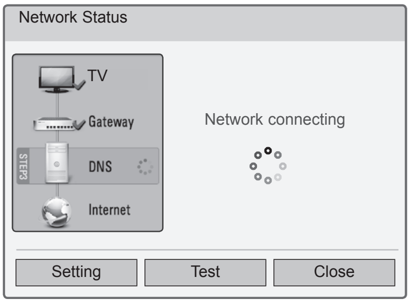


Network Setting

Insert the IP address.

IP Mode ◄ IP Manual Setting ►

- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0



Network Status

Network connecting

1. Select **NETWORK**.
2. Select **Network Setting**.
3. Select **Wired**.
4. If you already set Network Setting: Select **Resetting**. The new connection settings resets the current network settings.
5. Select **IP Auto Setting** or **IP Manual Setting**.

When Selecting **IP Manual Setting:**
IP addresses will need to be input manually.

6. Select **OK**.

- This feature requires an always-on broadband internet connection.
- You do not need to connect to a PC to use this function.
- If **Network Setting** is not working, check your network conditions. Check the LAN cable and make sure your router has DHCP turned on if you wish to use the Auto Setting.
- If the **Network Setting** is not completed, network may not operate normally.
- **IP Auto Setting**: Select it if there is a DHCP server on the local area network (LAN) via wired connection, the TV will automatically be allocated an IP address. If you're using a broadband router or broadband modem that has a DHCP (Dynamic Host Configuration Protocol) server function, the IP address will automatically be determined.
- **IP Manual Setting**: Select it if there is no DHCP server on the network and you want to set the IP address manually.

EXTERNAL EQUIPMENT SETUP

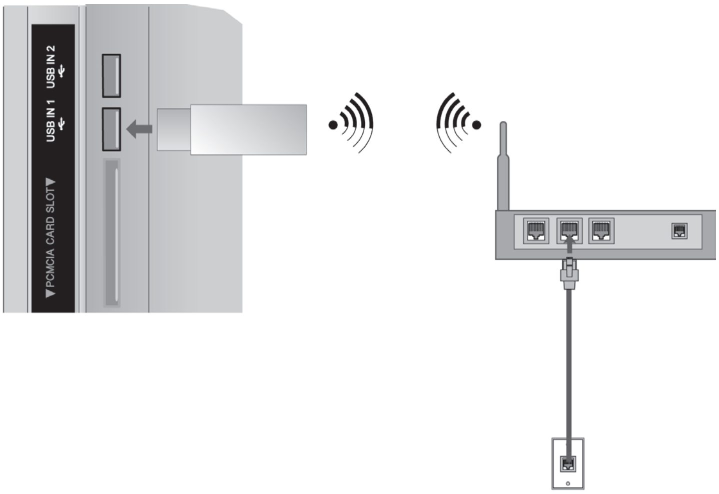
NOTE

- ► For more information about Netcast setup and troubleshooting, visit **http://lgknowledgebase.com**. Search for Netcast.
- ► Use a standard LAN cable with this TV. Cat5 or better with a RJ45 connector.
- ► Many network connection problems during set up can often be fixed by re-setting the router or modem. After connecting the player to the home network, quickly power off and/or disconnect the power cable of the home network router or cable modem. Then power on and/or connect the power cable again.
- ► Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.
- ► LG is not responsible for any malfunction of the TV and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- ► LG is not responsible for problems within your internet connection.
- ► Some content available through the network connection may not be compatible with the TV. If you have questions about such content, please contact the producer of the content.
- ► You may experience undesired results if the network connection speed does not meet the requirements of the content being accessed.
- ► Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- ► Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- ► A 10 Base-T or 100 Base-TX LAN port is required for connection to this TV. If your internet service does not allow for such a connection, you will not be able to connect the TV.
- ► A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this TV or you may be limited to the number of devices you can connect at the same time. (If your ISP limits its sub-scription to one device, this TV may not be allowed to connect when a PC is already connected.)
- ► The use of a “Router” may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.
- ► The wireless network operates at 2.4 GHz radio frequencies that are also used by other household devices such as cordless telephone, Bluetooth® devices, microwave oven, and can be affected by interference from them. It can be interrupted by the device using 5 Ghz radio frequencies. It is same device with LG wireless media box, cordless telephone, other Wi-Fi device.
- ► It may decrease the service speed using Wireless network by surrounding wireless condition.
- ► Turn off all unused network equipment in your local home network. Some devices may generate network traffic.
- ► In some instances, placing the access point or wireless router higher up away from the floor may improve the reception.
- ► The reception quality over wireless depends on many factors such as type of the access point, distance between the TV and access point, and the location of the TV.
- ► When connecting internet through the wired/wireless sharing machine, it may interrupt the connection because of the use limitation and confirmation of service company.
- ► To connect wireless AP, an AP that supports the wireless connection is necessary, and the wireless connection function of the AP needs to be activated. Please enquire to the AP supplier for the possibility of AP wireless connections.
- ► Please verify the security settings of AP SSID for wireless AP connection, and enquire to the AP supplier for the AP SSID security settings.
- ► The TV can become slower or malfunction with wrong settings of network equipments (wired/wireless router, hub, etc). Please install correctly by referring to the manual of the equipment, and set the network.
- ► When AP is set to include 802.11 n(Except for Russia), and if Encryption is designated as WEP(64/128bit) or WPA(TKIP/AES), the connection may not be possible. There may be different connection methods according to the AP manufacturers.

Wireless Network Connection

The LG Wireless LAN for Broadband/DLNA Adaptor, allows the TV to connect to a wireless lan network.

The network configuration and connection method may vary depending on the equipment in use and the network environment. Refer to the setup instructions supplied with your access point or wireless router for detailed connection steps and network settings.



① Connect the “LG **Wireless LAN for Broadband/DLNA Adaptor**” to the **USB IN 1** or **USB IN 2** jack on the TV.

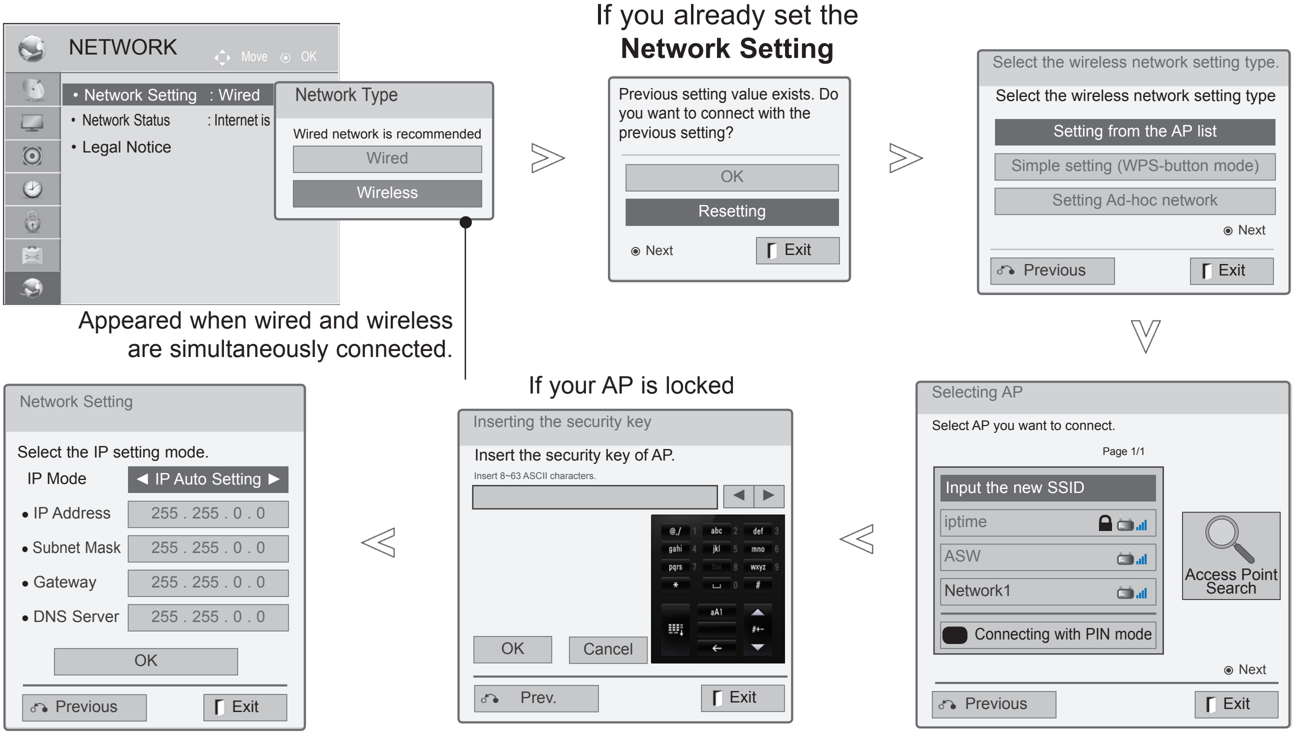
② Select “**Network Setting**” in the **NETWORK** menu.
After connecting, you can use the **NetCast** menu.

NOTE

- ► For enjoying pictures, music, or video stored in the PC using the router, the use of wired port in the router is recommended.
- ► When the wireless port of the router is used, there may be restrictions for some functions.

Wireless Network Setup

Setting up the AP (Access Point) or the wireless router is required before connecting the TV to the network.



NETWORK

- Network Setting : Wired
- Network Status : Internet is
- Legal Notice

Network Type

Wired network is recommended

Move
OK
Wired
Wireless

Appeared when wired and wireless are simultaneously connected.

If you already set the **Network Setting**

Previous setting value exists. Do you want to connect with the previous setting?

OK
Resetting
Next
Exit

Select the wireless network setting type.

Select the wireless network setting type

Setting from the AP list
Simple setting (WPS-button mode)
Setting Ad-hoc network
Next
Previous
Exit

Selecting AP

Select AP you want to connect.

Page 1/1

Input the new SSID
iptime
ASW
Network1
Connecting with PIN mode
Access Point Search
Next
Previous
Exit

If your AP is locked

Inserting the security key

Insert the security key of AP.

Insert 8~63 ASCII characters.

OK
Cancel
Prev.
Exit

Network Setting

Select the IP setting mode.

IP Mode ◄ IP Auto Setting ►

- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0

OK
Previous
Exit

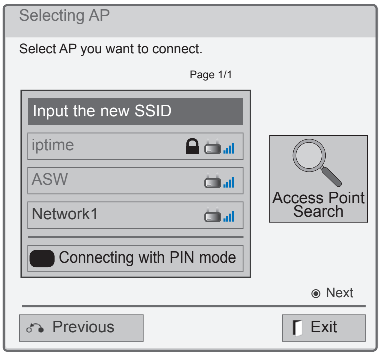
---

1. Select **NETWORK**.
2. Select **Network Setting**.
3. Select **Wireless**.
4. If you already set Network Setting: Select **Resetting**.
   The new connection settings resets the current network settings.
5. Select **Setting from the AP list**.
6. Scan the all available AP (Access Point) or wireless routers within range and display them as a list.
7. Select an AP (Access Point) or wireless router on the list. (If your AP is locked, insert the security key of AP).
8. Input the security key of AP.
9. Repeat step 4-5 on P.18.

When a security code is already set

PIN (Personal Identification Number)

If you want to connect the AP (Access Point) or router with PIN, use this feature.

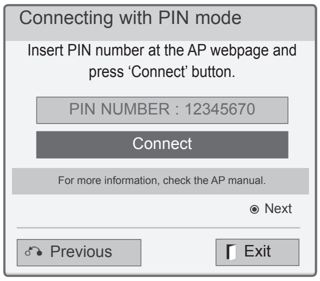


Selecting AP

Select AP you want to connect.

Page 1/1

Input the new SSID
iptime
ASW
Network1
Connecting with PIN mode
Access Point Search
Next
Previous
Exit



Connecting with PIN mode

Insert PIN number at the AP webpage and press 'Connect' button.

PIN NUMBER : 12345670

For more information, check the AP manual.

Connect
Next
Previous
Exit

---

1 Repeat step 1-6 on P.22.

2 RED Connect the access point with **PIN** mode.

3 You can see the Network ID and Security Key on your TV screen.
Enter the PIN number to your device.

4 OK Select **Connect**.

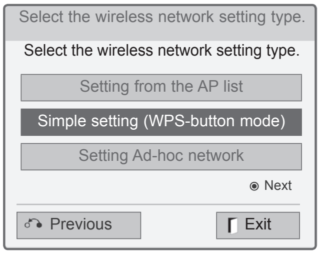
5 Repeat step 4-5 on P.18.

- PIN number is the unique 8 digit number of the dongle.

EXTERNAL EQUIPMENT SETUP

Simple setting (WPS-button mode)

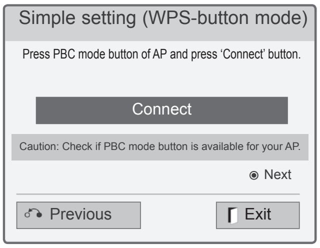
If your access point or wireless router that supports PIN or WPS (Wi-Fi Protected Setup), it’s available to use your access point or wireless router within 120 counts. You do not need to know the access point name (SSID: Service Set Identifier) and security code of your access point or wireless router.



Select the wireless network setting type.

Select the wireless network setting type.

Setting from the AP list
Simple setting (WPS-button mode)
Setting Ad-hoc network
Next
Previous
Exit



Simple setting (WPS-button mode)

Press PBC mode button of AP and press ‘Connect’ button.

Caution: Check if PBC mode button is available for your AP.

Connect
Next
Previous
Exit

1 Repeat step 1-4 on P.22.

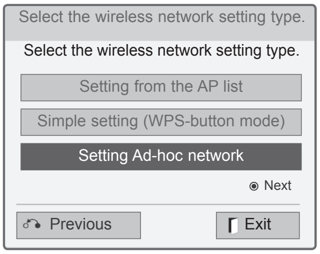
2 Select **Simple setting (WPS-button mode)**.

3 Select **Connect**.

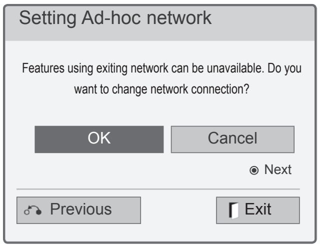
4 Repeat step 4-5 on P.18.

Ad-hoc Mode

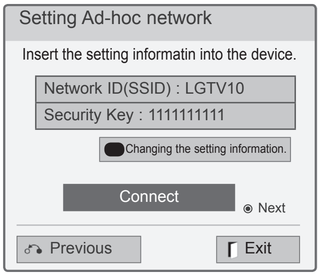
This is the method of communicating directly with the machine to communicate without AP.
This is the same as connecting two PCs with a cross cable.


Select the wireless network setting type.
Setting from the AP list
Simple setting (WPS-button mode)
Setting Ad-hoc network
Next
Previous
Exit

Select the wireless network setting type.

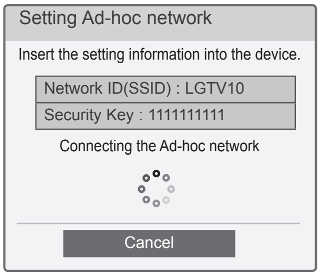

Setting Ad-hoc network
OK
Cancel
Next
Previous
Exit

Features using exiting network can be unavailable. Do you want to change network connection?


Setting Ad-hoc network
Changing the setting information.
Connect
Next
Previous
Exit

Insert the setting informatin into the device.

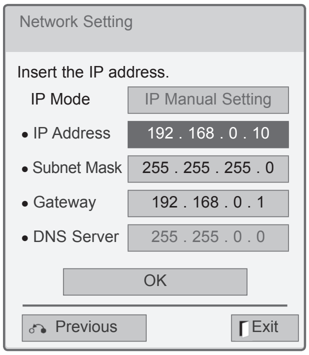
Network ID(SSID) : LGTV10
Security Key : 1111111111


Setting Ad-hoc network
Cancel

Insert the setting information into the device.

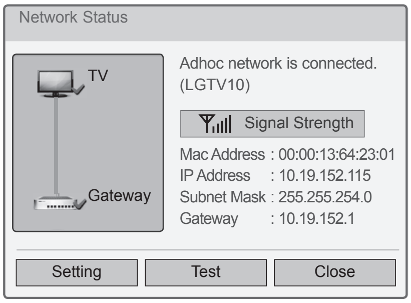
Network ID(SSID) : LGTV10
Security Key : 1111111111

Connecting the Ad-hoc network


Network Setting
OK
Previous
Exit

Insert the IP address.

IP Mode: IP Manual Setting
- IP Address: 192 . 168 . 0 . 10
- Subnet Mask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 0 . 1
- DNS Server: 255 . 255 . 0 . 0


Network Status
TV
Gateway
Signal Strength
Setting
Test
Close

Adhoc network is connected. (LGTV10)

Mac Address : 00:00:13:64:23:01
IP Address : 10.19.152.115
Subnet Mask : 255.255.254.0
Gateway : 10.19.152.1

- Example of the PC setting that supports a wireless network

1. Find a wireless network device in your PC.
2. Select LGTV10 that appears in the list. (Select the same name as the network ID that appears on your TV screen.)
3. Type 1111111111 in the Inserting the security key dialog. (Type the security key that appears on your TV screen.)

- PC Setting

Internet Protocol(TCP/IP) of PC needs to be set manually.
IP address, Subnet Mask, and default Gateway can be set with your own discretion.
i.e) IP address: 192.168.0.1 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.10

- TV Setting

Verify IP address and gateway of PC.
Input Gateway address of PC to IP Address, and IP Address of PC to Gateway, and select **OK**.
i.e) IP address: 192.168.0.10 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.1

---

1 Repeat step 1-3 on P.22.

2 Select **Setting Ad-hoc network**.

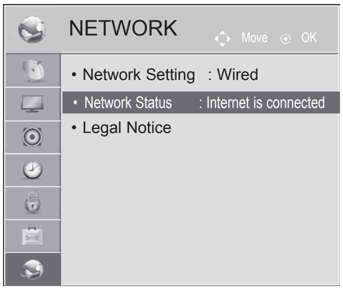
3 Select **OK**.

4 Select **Connect** to connect Ad-hoc network.
You can see the Network ID and Security Key on your TV screen.
Enter this Network ID and Security Key to your device.If a network may not operate, change the setting information using the RED button.

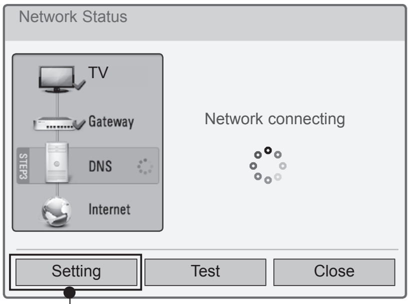
5 Insert the IP address.

6 Network setting is completed.
Select **Close**.

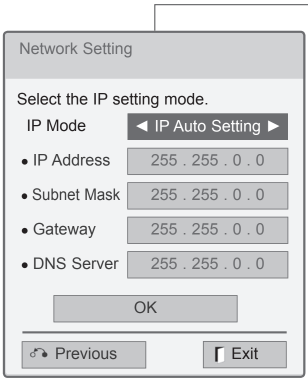
Network Status


NETWORK
Move
OK

- Network Setting : Wired
- Network Status : Internet is connected
- Legal Notice


Network Status
TV
Gateway
STEP3
DNS
Internet
Setting
Test
Close

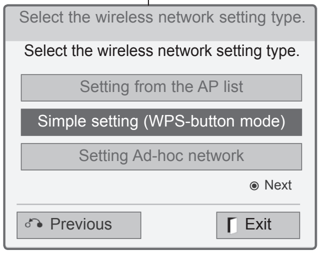
Network connecting


Network Setting
OK
Previous
Exit

Select the IP setting mode.

IP Mode ◄ IP Auto Setting ►
- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0

Wired Connection


Select the wireless network setting type.
Setting from the AP list
Simple setting (WPS-button mode)
Setting Ad-hoc network
Next
Previous
Exit

Select the wireless network setting type.

Wireless Connection

1 Select **NETWORK**.

2 Select **Network Status**.

3 Check the network status.

- **Setting**: Return to the network setting menu or wireless network setting type menu.
- **Test**: Test the current network status after setting the network.
- **Close**: Return to the previous menu.

WATCHING TV / PROGRAMME CONTROL

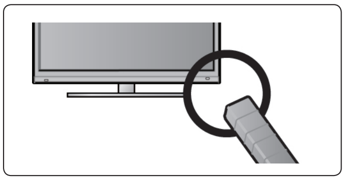
RF Specification of the Magic Motion Remote Control

The Magic Motion Remote Control communicates with your TV by using a 2.4 GHz bandwidth radio frequency (RF).

- Output: 1 dBm or lower
- Maximum Communication Distance: 10 m in an open space
- Bandwidth: 2.4 GHz (2.4035 GHz - 2.4783 GHz)
- Transfer Rate: 250 kbps

Registering the Magic Motion Remote Control

The Magic Motion Remote Control operates by pairing with your TV.
After purchasing an LG TV, register the Magic Motion Remote Control with the TV.



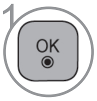
How to Register the Magic Motion Remote Control
To register the Remote Control, press the **OK** button on the Remote Control while aiming it at your TV.

How to Re-register the Magic Motion Remote Control after Registration Failure
Reset the remote control by pressing and holding both the **OK** and **MUTE** buttons for 5 seconds. (Once the reset is complete, the light on the Pointer RF Receiver blinks.) Then repeat the above procedure to register the remote control.

WATCHING TV / PROGRAMME CONTROL

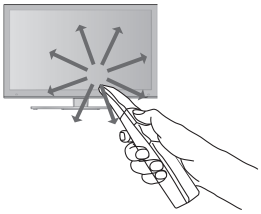
How to Use the Magic Motion Remote Control

1



Press this button if there is no pointer on your TV screen. The pointer will then appear on the screen.
If the pointer has not been used for a certain period of time, it will disappear.

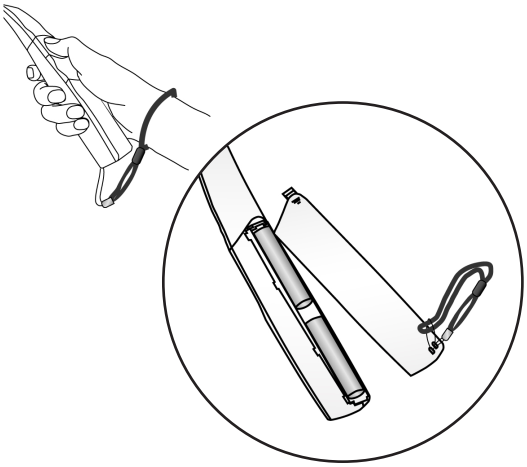
2



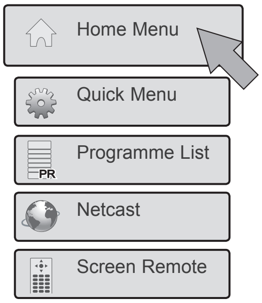
You can move the pointer by aiming the Pointer Receiver of the remote control at your TV then move it left, right, up or down.
If the pointer does not work properly after clicking the **OK** button, leave the remote control for 10 seconds then use it again.

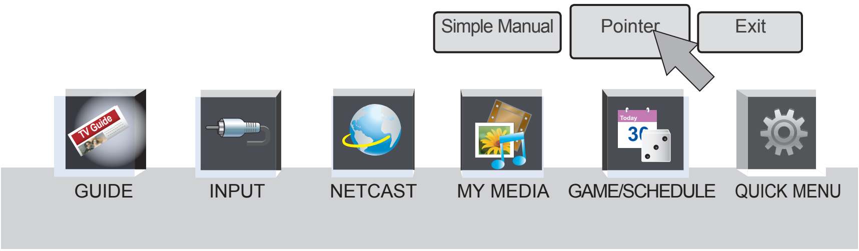
Precautions to Take when Using the Magic Motion Remote Control

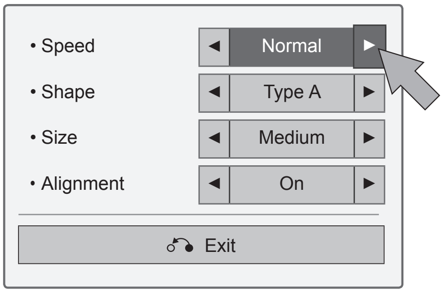
- Manufacturer and installer cannot provide service related to human safety as the applicable wireless device has possibility of electric wave interference.
- Use the remote control within the maximum communication distance (10 m). Using the remote control beyond this distance, or with an object obstructing it, may cause a communication failure.
- A communication failure may occur due to nearby devices. Electrical devices such as a microwave oven or wireless LAN product may cause interference, as this will use the same bandwidth (2.4 GHz) as the Magic Motion Remote Control.
- The Magic Motion Remote Control may be damaged or may malfunction if it is dropped or receives a heavy impact.
- When playing a game using the Magic Motion Remote Control, hold it securely by wrapping its strap around your wrist and adjusting the length with the adjustable ring.
- Take care not to bump into nearby furniture or other people when using the Magic Motion Remote Control.



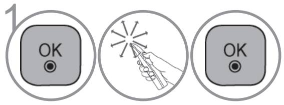
Pointer Menu Options


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote

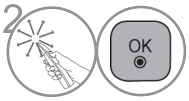

Simple Manual
Pointer
Exit
GUIDE
INPUT
NETCAST
MY MEDIA
GAME/SCHEDULE
QUICK MENU



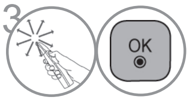
- Speed: Normal
- Shape: Type A
- Size: Medium
- Alignment: On



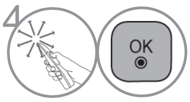
1 Select **Home Menu**.



2 Select **Pointer**.



3 Make appropriate adjustments.



4 Select **Exit**.

- **Speed**: Changes the pointer speed.
- **Shape**: Select the pointer shape.
- **Size**: Changes the pointer size.
- **Alignment**: When Alignment is On, you can easily align the remote control's direction with the pointer on your TV screen by shaking the remote control left and right. Then, the pointer automatically moves to the center of the screen.

WATCHING TV / PROGRAMME CONTROL

TURNING ON THE TV

When your TV is turned on, you will be able to use its features.

① Firstly, connect the power cord correctly.
At this stage, the TV switches to standby mode.

② In standby mode to turn TV on, press the ⏻ **/ I, INPUT** or **P** ^ v button on the TV or press the **POWER**, **INPUT**, **P** ^ v or **NUMBER** button on the remote control and the TV will switch on.

INITIALIZING SETUP

① If the OSD (On Screen Display) is displayed on the screen after turning on the TV, you can adjust the **Language**, **Mode Setting**, **Power Indicator**(When you select **Home Use** from **Mode Setting**), **Country**(Except for 47/55LX99**) or **Time Zone** (When Russia is selected for Country) or **Set Password**(When France is selected for Country), **Auto Tuning**.

Note:

a. If you close without completing the initial setting, the Initial Setting menu can be displayed again.
b. Press the BACK button to change the current OSD to the previous OSD.
c. For those countries without confirmed DTV broadcasting standards, some DTV features might not work, depending on the DTV broadcasting environment.
d. "Home Use" mode is the optimal setting for home environments, and is the TV's default mode.
e. "Store Demo" mode is the optimal setting for store environments. If a user modifies image quality data, "Store Demo" mode initializes the product to the image quality set by us after a certain period of time.
f. The mode (Home Use, Store Demo) can be changed by executing Mode Setting in the OPTION menu.
g. When France is selected for Country, password is not '0', '0', '0', '0' but '1', '2', '3', '4'.

PROGRAMME SELECTION

① Press the **P** ^ v or NUMBER buttons to select a programme number.

VOLUME ADJUSTMENT

① Press the ⊿ **+** or **-** button to adjust the volume.

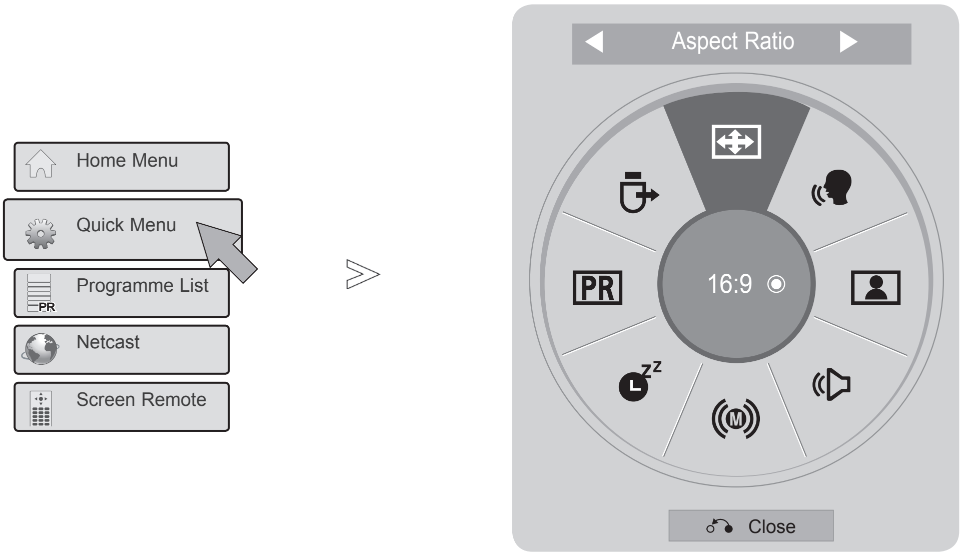
② If you wish to switch the sound off, press the MUTE button.

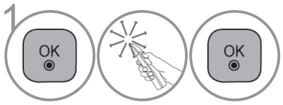
You can cancel this function by pressing the MUTE, ⊿ **+** , **-** or AV MODE button.

QUICK MENU

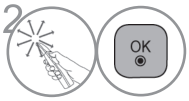
Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
Q.Menu (Quick Menu) is a menu of features which users might use frequently.

- **Aspect Ratio**: Selects your desired picture format.
  For Zoom Setting, select 14:9, Zoom and Cinema Zoom in Ratio Menu. After completing Zoom Setting, the display goes back to Q.Menu.
- **Clear Voice II** : By differentiating the human sound range from others, it helps users listen to human voices better.
- **Picture Mode** : Selects your desired Picture Mode.
- **Sound Mode** : It is a feature to automatically set the sound combination which it deems the best for the images being watched. Selects your desired Sound Mode.
- **Audio** or **Audio Language** : Selects the sound output.
- **Sleep Timer** : Sets the sleep timer.
- **Skip Off/On** : Selects the Skip Off/On.
- **USB Device** : Selects “Eject” in order to eject USB device.

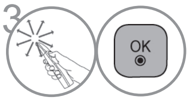




1 Select **Quick Menu**.



2 Select your desired Source.



3 Select **Close**.

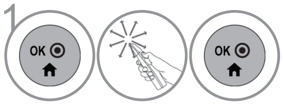
NOTE

- **Quick Menu** can be selected either by pressing the **Q.MENU** button on a standard remote control, or by selecting on the **Home Menu** screen.

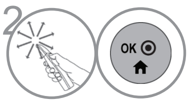
WATCHING TV / PROGRAMME CONTROL

HOME MENU

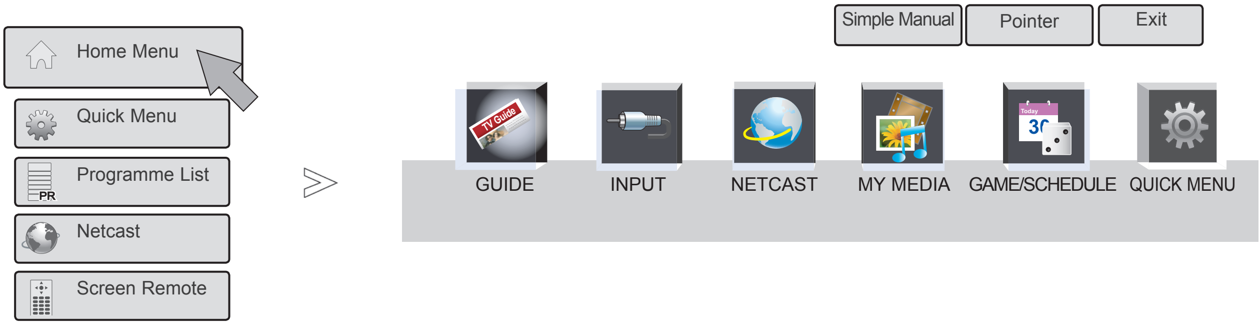
Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.



Select **Home Menu**.



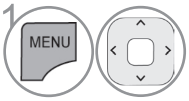
Select a menu item.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote
Simple Manual
Pointer
Exit
TV Guide
GUIDE
INPUT
NETCAST
MY MEDIA
Today
30
GAME/SCHEDULE
QUICK MENU

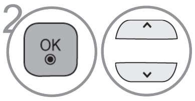
GUIDE	A programme view or recording of a programme can be scheduled while watching the Broadcasting Information.
INPUT	Select the desired input source.
NETCAST	Select NETCAST menu option and enjoy Online Service.
MY MEDIA	Used for viewing photos, watching movies and listening to MP3s.
GAME/SCHEDULE	Allows you to enjoy the games installed on the TV or set the schedule.
QUICK MENU	**QUICK MENU** is a menu of features which users might use frequently.
Simple Manual	You can easily and effectively access the TV information by viewing a simple manual on the TV.
Pointer	Set up the Magic Motion Remote Control setting.
Exit	Close the Home menu.

ON SCREEN MENUS SELECTION AND ADJUSTMENT

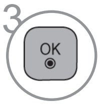
Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.

1


Display each menu.

2


Select a menu item.

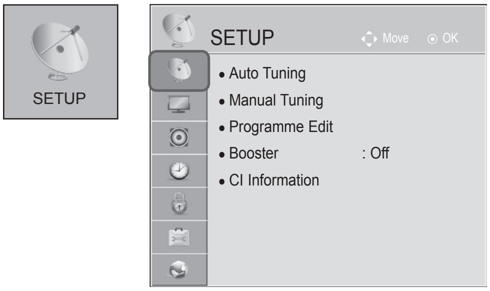
3


Move to the pop up menu.

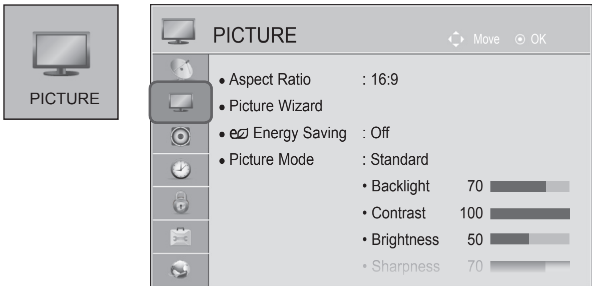
- Press the **RED** button, you can check the **Customer Support** menu.
- Press the **GREEN** button, you can check the **Simple Manual** menu.
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NOTE

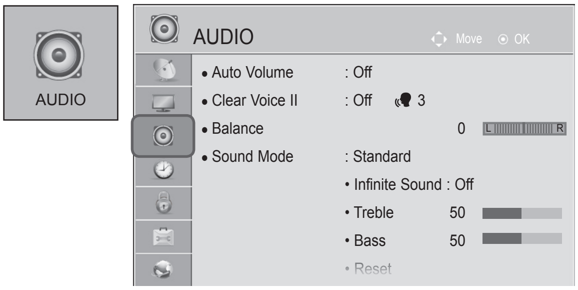
► It is not possible to use **CI Information** in Analogue mode.



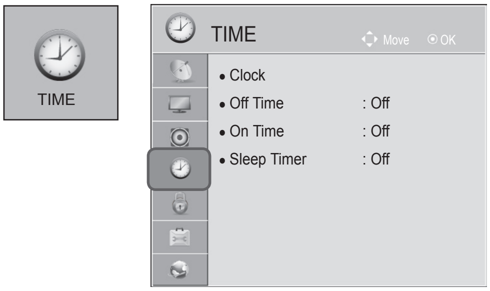
SETUP
- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information



PICTURE
- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 70
  - Contrast 100
  - Brightness 50
  - Sharpness 70

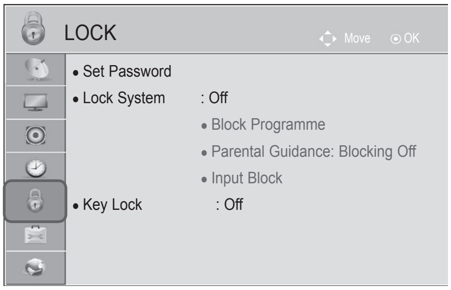


AUDIO
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset

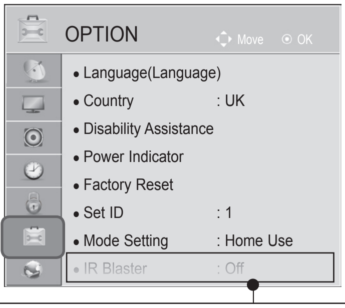


TIME
- Clock
- Off Time : Off
- On Time : Off
- Sleep Timer : Off

WATCHING TV / PROGRAMME CONTROL


LOCK
Move
OK

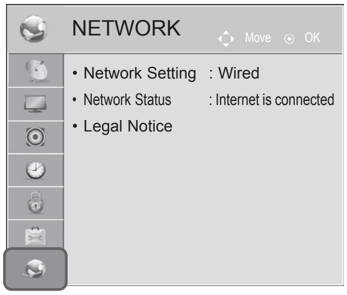
- Set Password
- Lock System : Off
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off


OPTION
Move
OK

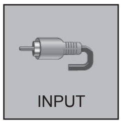
- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off

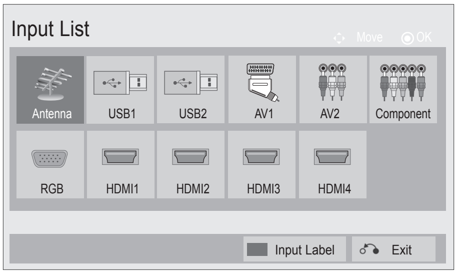
- For further information, refer to the optional **“Wireless Media Box”** manual for operating instructions.

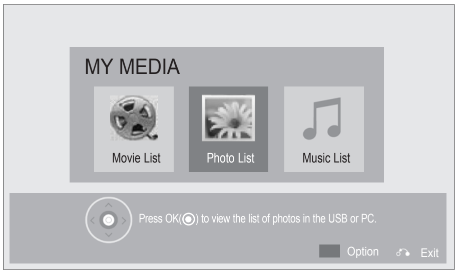
■ Image shown may differ from your TV.


NETWORK
Move
OK

- Network Setting : Wired
- Network Status : Internet is connected
- Legal Notice

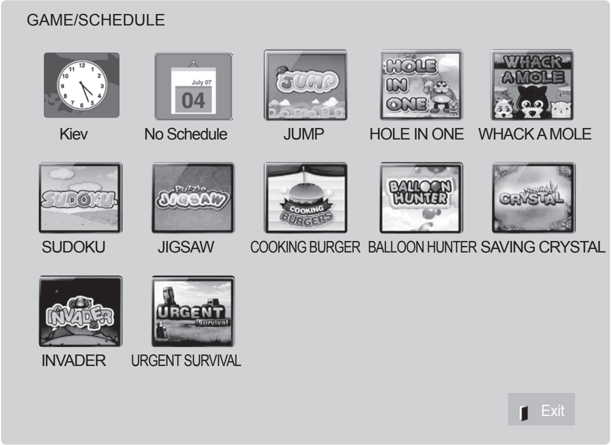



Input List
Move
OK
Antenna
USB1
USB2
AV1
AV2
Component
RGB
HDMI1
HDMI2
HDMI3
HDMI4
Input Label
Exit


MY MEDIA
Movie List
Photo List
Music List
Option
Exit

Press OK(◉) to view the list of photos in the USB or PC.

Today
30
GAME/SCHEDULE

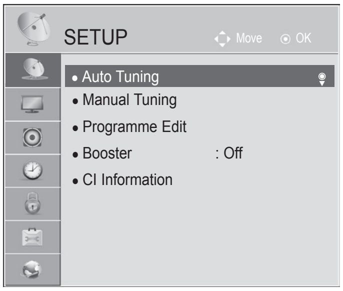

GAME/SCHEDULE
Kiev
July 07
04
No Schedule
JUMP
HOLE IN ONE
WHACK A MOLE
SUDOKU
JIGSAW
COOKING BURGER
BALLOON HUNTER
SAVING CRYSTAL
INVADER
URGENT SURVIVAL
Exit

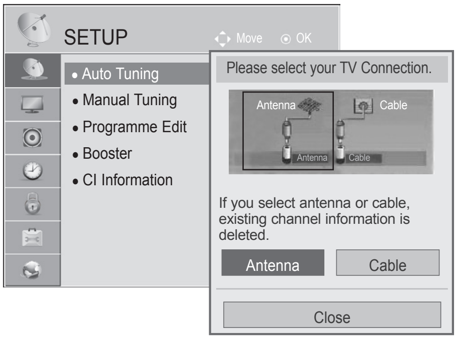
AUTO PROGRAMME TUNING

Use this to automatically find and store all available programmes.
When you start auto programming, all previously stored service information will be deleted.
The maximum number of programmes that can be stored is 1,000. But the number may differ slightly depending on broadcasting signals.

DVB-T, DVB-C Auto Tuning is a menu for users in countries that support DVB cable.

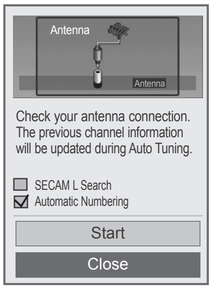
If you want to select the **Antenna**,


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster : Off
• CI Information


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster
• CI Information
Antenna
Cable
Antenna
Cable
Antenna
Cable
Close

Please select your TV Connection.

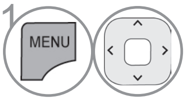
If you select antenna or cable, existing channel information is deleted.


Antenna
Antenna
Start
Close

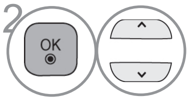
Check your antenna connection. The previous channel information will be updated during Auto Tuning.

☐ SECAM L Search
☑ Automatic Numbering

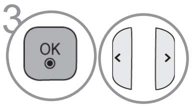
---

1 

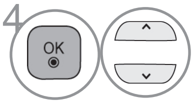
Select **SETUP**.

2 

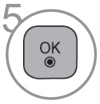
Select **Auto Tuning**.

3 

Select **Antenna**.

4 

Select **Start**.

5 

Run **Auto tuning**.

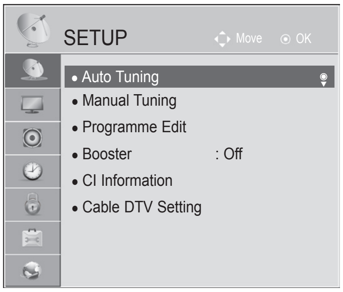
- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- If you wish to keep on auto tuning select **Start** using the ^ v button. Then, press the **OK** button. Otherwise select **Close**.
- **Automatic Numbering**: Decide whether to use the programme numbers as sent by broadcasting stations for tuning.
- **SECAM L Search** : Except for 47/55LX99**.
- When select Italy in the **Country** menu, If the pop up is displayed when the conflicted programme after Auto Tuning, select a broadcaster for Conflicting programme number to solve.

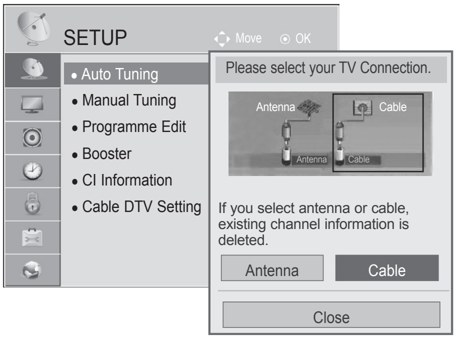
- In the following country, DVB cable can be used : Germany, Netherlands, Sweden, Switzerland, Denmark, Austria, Finland, Norway, Slovenia, Hungary.(The supported country can be added.)

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

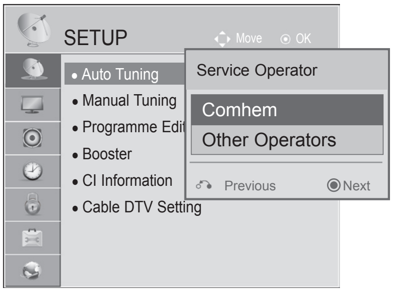
If you want to select the **Cable**,


SETUP
Move
OK
Auto Tuning
Manual Tuning
Programme Edit
Booster : Off
CI Information
Cable DTV Setting

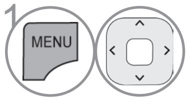

SETUP
Move
OK
Auto Tuning
Manual Tuning
Programme Edit
Booster
CI Information
Cable DTV Setting
Antenna
Cable
Antenna
Cable
Close

Please select your TV Connection.

If you select antenna or cable, existing channel information is deleted.

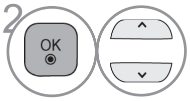

SETUP
Move
OK
Auto Tuning
Manual Tuning
Programme Edit
Booster
CI Information
Cable DTV Setting
Service Operator
Comhem
Other Operators
Previous
Next

1



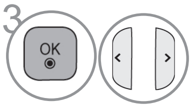
Select **SETUP**.

2



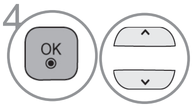
Select **Auto Tuning**.

3



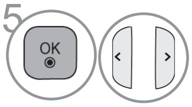
Select **Cable**.

4



Select **Comhem or Other Operators**.

5



Select **Quick or Full**.

- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- When you select the **Cable**, the **Cable Service Operator** selection screen can differ or not exist by the Cable situation of the applicable country.
- The popup window to select between **Service Operator** is only shown initially for the 3 cases when you accessing the **Initial Setting** menu, when you change from **Antenna** to **Cable** or when you access the menu after changing the **Country**.
- When you want to select between **Service Operator** aside from the above 3 cases, you can do so by selecting **Setup->Cable DTV Setting-> Service Operator**.

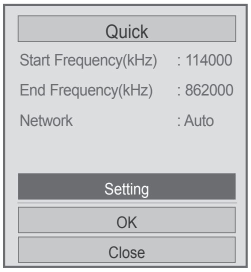
- Acquired certification SO : Sweden(Comhem, Canal Digital), Denmark(YouSee, Canal Digital, Stofa), Norway(Canal Digital).
- If there are not any Service Operator that you want, select **Other Operators**.
- If you select “Other Operators”, or the selected country supports “Other Operators” only, it may take some time to search all the channels, or it may not search some of the channels.

  If some of the channels do not appear, follow the steps below:

  1. **SETUP** -> **Auto Tuning** -> **Cable** -> **Setting**
  2. Switch **Home Tuning** from "**Off**" to "**On**"
  3. Input additional values such as the frequency, symbol rate, modulation, and network ID.
     (You can ask your cable service provider for the above information.)

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

■ When you select the Quick,

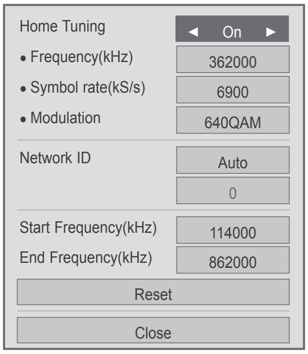


Quick

Start Frequency(kHz) : 114000

End Frequency(kHz) : 862000

Network : Auto



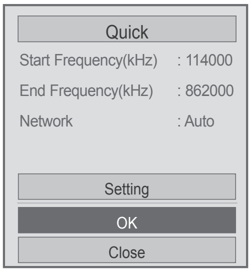
Home Tuning ◄ On ►

- Frequency(kHz) 362000
- Symbol rate(kS/s) 6900
- Modulation 640QAM

Network ID Auto 0

Start Frequency(kHz) 114000

End Frequency(kHz) 862000

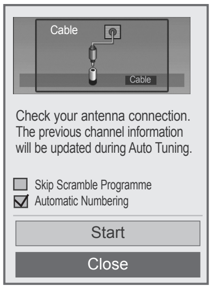


Quick

Start Frequency(kHz) : 114000

End Frequency(kHz) : 862000

Network : Auto



Check your antenna connection. The previous channel information will be updated during Auto Tuning.

☐ Skip Scramble Programme

☑ Automatic Numbering

6 Select **Quick**.

7 Select **Setting**.

8 Make appropriate adjustments.

9 Select **Close**.

10 Select **OK**.

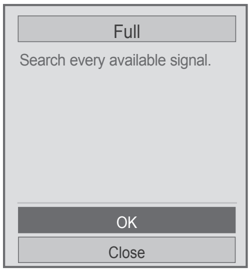
11 Select **Start**.

12 Run **Auto tuning**.

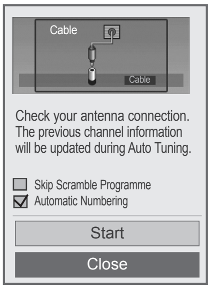
- If you wish to keep on auto tuning, select **Start** using the ^ v button. Then, press the **OK** button. Otherwise select **Close**.
- **Automatic Numbering**: Decide whether to use the programme numbers as sent by broadcasting stations for tuning.
- **Skip Scramble Programme** : Scramble Programme is skipped in **Auto Tuning** and **Manual Tuning**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

■ When you select the Full,



Search every available signal.



Check your antenna connection. The previous channel information will be updated during Auto Tuning.

☐ Skip Scramble Programme
☑ Automatic Numbering

6 Select **Full**.

7 Select **OK**.

8 Select **Start**.

9 Run **Auto tuning**.

- If you wish to keep on auto tuning, select **Start** using the ^ v button. Then, press the **OK** button. Otherwise select **Close**.
- **Automatic Numbering**: Decide whether to use the programme numbers as sent by broadcasting stations for tuning.
- **Skip Scramble Programme** : Scramble Programme is skipped in **Auto Tuning** and **Manual Tuning**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

The following values are needed in order to search all available programmes quickly and correctly.

The commonly used values are provided as "default".

However, for correct settings, please inquire of the cable service provider.

When running Auto Tuning in DVB cable mode, selecting Full will search through all frequencies to find available channels.

In the case when the programme is not searched by selecting the Default, perform the searching by selecting the Full.

However, in the case when the programme is searched by selecting the Full, the Auto Tuning time can be taken too much.

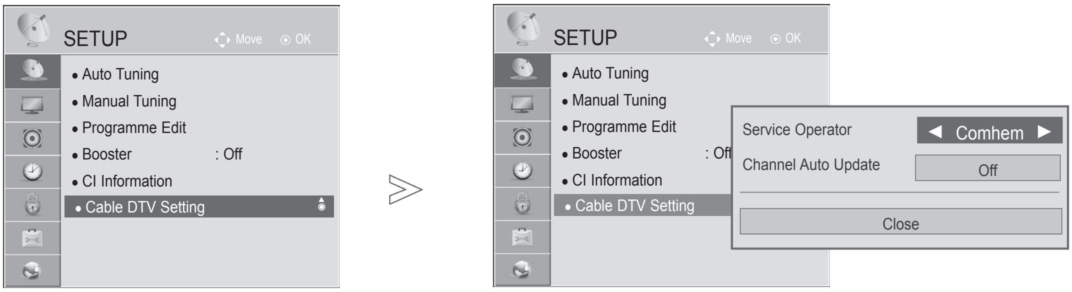
- **Frequency :** Enter a user-defined frequency.
- **Symbol rate :** Enter a user-defined symbol rate (Symbol rate: Speed at which a device such as modem sends symbols to a channel).
- **Modulation :** Enter a user-defined modulation. (Modulation: Loading of audio or video signals onto carrier).
- **Network ID :** Unique identifier allocated for each user.
- **Start Frequency :** Enter a user-defined start frequency range.
- **End Frequency :** Enter a user-defined end frequency range.

CABLE DTV SETTING

(IN CABLE MODE ONLY)

The range that a user can select from the Service Operator menu differs depending on number of Service Operator supported by each country, and if number of supported Service Operator for each country is 1, corresponding function becomes non-activation.

After changing Service Operator, a warning window saying that channel map will be deleted when **OK** button is pressed or Close is selected, and a Auto-tuning pop-up window appears when ‘**YES**’ is selected.

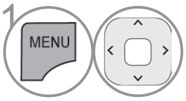

SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• CI Information
• Cable DTV Setting
SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• CI Information
• Cable DTV Setting
Close

• Booster : Off

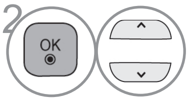
• Booster : Off

Service Operator ◄ Comhem ►

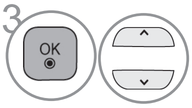
Channel Auto Update Off

1. 

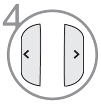
Select **SETUP**.

2. 

Select **Cable DTV Setting**.

3. 

Select **Service Operator** or **Channel Auto Update**.

4. 
Select your desired Source.

- If you select **Cable**, you can see **Cable DTV Setting** menu.
- When **Channel Auto Update** is **On**, you can update information for all the programmes that can be updated, including the programme currently being watched.
- When **Channel Auto Update** is **Off**, you can only update information for the programme currently being watched.

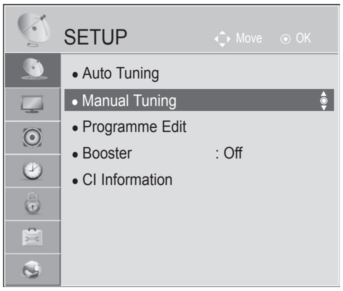
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

MANUAL PROGRAMME TUNING

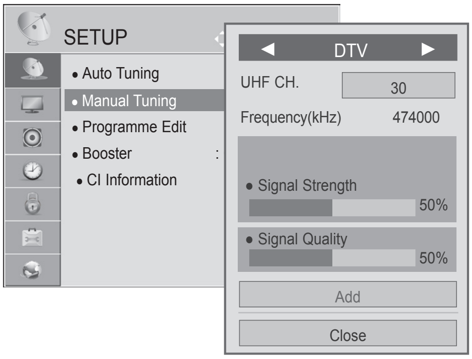
(IN DIGITAL MODE)

Manual Tuning lets you manually add a programme to your programme list.

If you want to select the **Antenna**,


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• CI Information

• Booster : Off


SETUP
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster
• CI Information
◄ DTV ►
Add
Close

UHF CH. 30

Frequency(kHz) 474000

• Signal Strength 50%

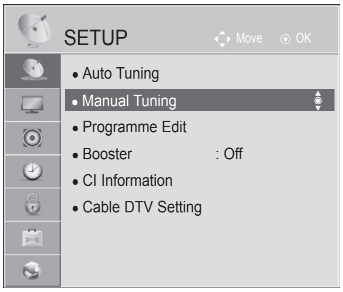
• Signal Quality 50%

1. Select **SETUP**.
2. Select **Manual Tuning**.
3. Select **DTV**.
4. Select the desired channel number.
5. Select update or add if signal present.

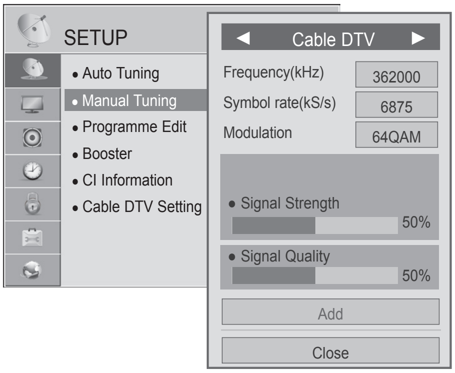
- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- You can select **SBAND** when the country is set to "Norway, Latvia."

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

If you want to select the **Cable**,


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster
• CI Information
• Cable DTV Setting

Booster : Off


SETUP
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster
• CI Information
• Cable DTV Setting
◄ Cable DTV ►
Add
Close

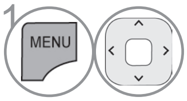
Frequency(kHz) 362000

Symbol rate(kS/s) 6875

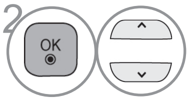
Modulation 64QAM

• Signal Strength 50%

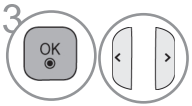
• Signal Quality 50%



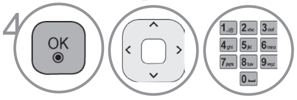
Select **SETUP**.



Select **Manual Tuning**.



Select **Cable DTV**.



Make appropriate adjustments.

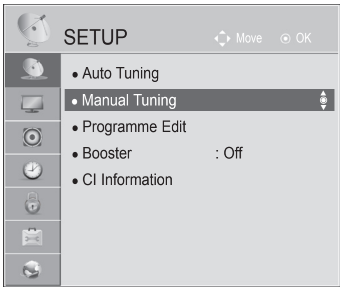
- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- **Symbol rate :** Enter a user-defined symbol rate (Symbol rate: Speed at which a device such as modem sends symbols to a channel).
- **Modulation :** Enter a user-defined modulation. (Modulation: Loading of audio or video signals onto carrier).

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

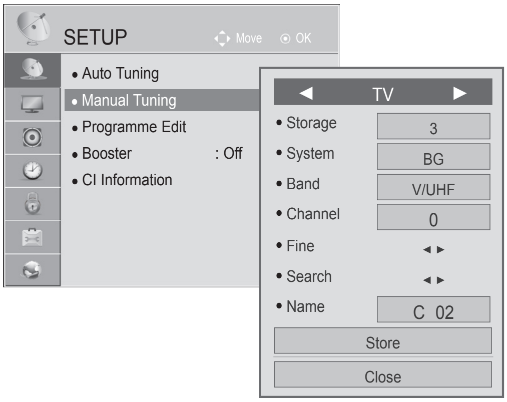
MANUAL PROGRAMME TUNING

(IN ANALOGUE MODE)

Manual Tuning lets you manually tune and arrange the stations in whatever order you desire.


SETUP

- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information


SETUP

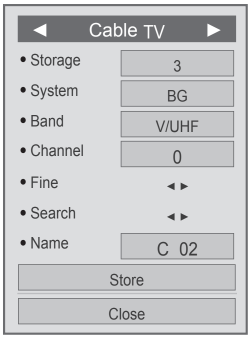
- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information

◄ TV ►
- Storage 3
- System BG
- Band V/UHF
- Channel 0
- Fine ◄ ►
- Search ◄ ►
- Name C 02

Store

Close

or


◄ Cable TV ►
- Storage 3
- System BG
- Band V/UHF
- Channel 0
- Fine ◄ ►
- Search ◄ ►
- Name C 02

Store

Close

1 Select **SETUP**.

2 Select **Manual Tuning**.

3 Select **TV** or **Cable TV**.

4 or Select the desired programme number on.

5 Select a TV system.

6 Select **V/UHF** or **Cable**.

7 or Select the desired channel number.

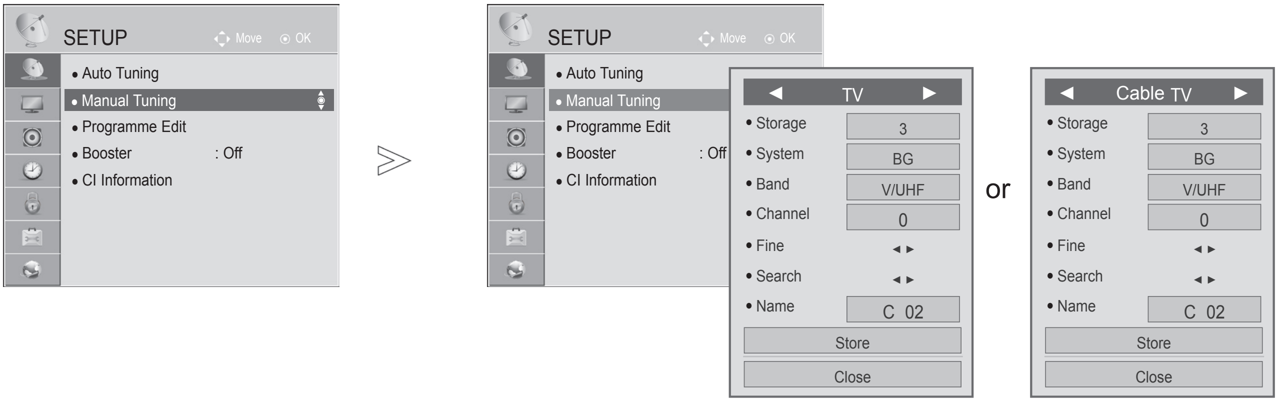
8 Commence searching.

9 Select **Store**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- **L** : SECAM L/L’ (France)
  BG : PAL B/G, SECAM B/G (Europe / East Europe / Asia / New Zealand / M.East / Africa)
  I : PAL I (U.K. / Ireland / Hong Kong / South Africa)
  DK : PAL D/K, SECAM D/K (East Europe / China / Africa / CIS)
- To store another channel, repeat steps 4 to 9.

WATCHING TV / PROGRAMME CONTROL



SETUP
- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information

TV	
Storage	3
System	BG
Band	V/UHF
Channel	0
Fine	◄ ►
Search	◄ ►
Name	C 02
Store	
Close	

Cable TV	
Storage	3
System	BG
Band	V/UHF
Channel	0
Fine	◄ ►
Search	◄ ►
Name	C 02
Store	
Close	

■ Assigning a station name

You can assign a station name with five characters to each programme number.

1 Select **SETUP**.

2 Select **Manual Tuning**.

3 Select **TV** or **Cable TV**.

4 Select **Name**.

5 Select the position and make your choice of the second character, and so on.
You can use an the alphabet **A** to **Z**, the number **0** to **9**, +/ -, and blank.

6 Select **Close**.

7 Select **Store**.

■ Fine Tuning

Normally fine tuning is only necessary if reception is poor.

1 Select **SETUP**.

2 Select **Manual Tuning**.

3 Select **TV** or **Cable TV**.

4 Select **Fine**.

5 Fine tune for the best picture and sound.

6 Select **Store**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

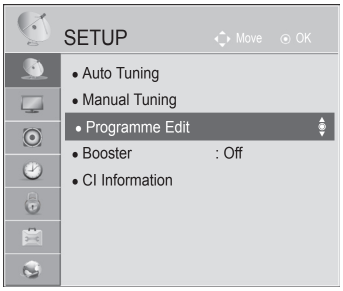
PROGRAMME EDIT

When a programme number is skipped, it means that you will be unable to select it using P^ ˅ button during TV viewing.

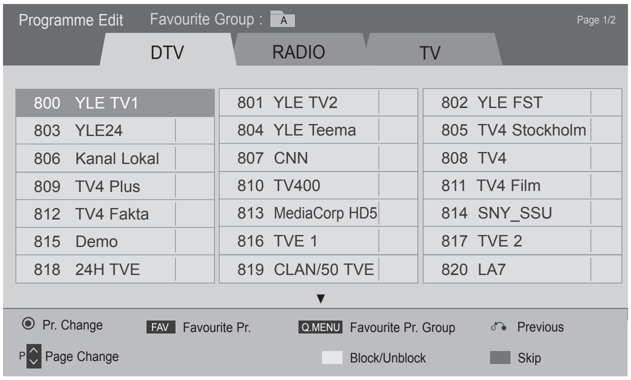
If you wish to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the Programme edit menu.

This function enables you to skip the stored programmes.

You can change the programme number using “Move”function, if “Automatic Numbering” is unchecked when you start Auto Tuning.


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• CI Information

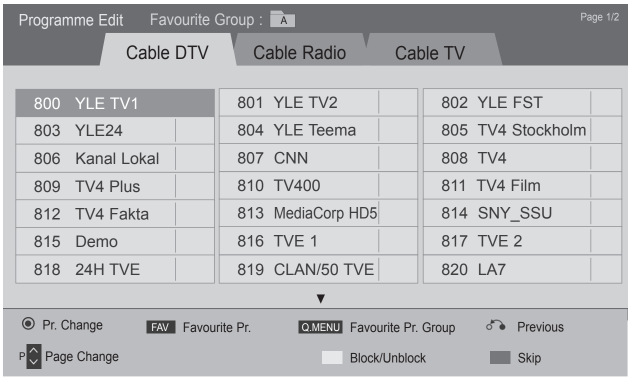
• Booster : Off


Programme Edit
Favourite Group : A
Page 1/2
DTV
RADIO
TV

800 YLE TV1	801 YLE TV2	802 YLE FST
803 YLE24	804 YLE Teema	805 TV4 Stockholm
806 Kanal Lokal	807 CNN	808 TV4
809 TV4 Plus	810 TV400	811 TV4 Film
812 TV4 Fakta	813 MediaCorp HD5	814 SNY_SSU
815 Demo	816 TVE 1	817 TVE 2
818 24H TVE	819 CLAN/50 TVE	820 LA7

Pr. Change
FAV Favourite Pr.
Q.MENU Favourite Pr. Group
Previous
P Page Change
Block/Unblock
Skip

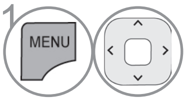
or


Programme Edit
Favourite Group : A
Page 1/2
Cable DTV
Cable Radio
Cable TV

800 YLE TV1	801 YLE TV2	802 YLE FST
803 YLE24	804 YLE Teema	805 TV4 Stockholm
806 Kanal Lokal	807 CNN	808 TV4
809 TV4 Plus	810 TV400	811 TV4 Film
812 TV4 Fakta	813 MediaCorp HD5	814 SNY_SSU
815 Demo	816 TVE 1	817 TVE 2
818 24H TVE	819 CLAN/50 TVE	820 LA7

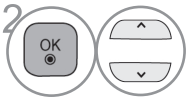
Pr. Change
FAV Favourite Pr.
Q.MENU Favourite Pr. Group
Previous
P Page Change
Block/Unblock
Skip

1



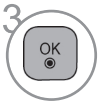
Select **SETUP**.

2



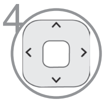
Select **Programme Edit**.

3



Enter the **Programme Edit**.

4



Select a programme to be stored or skipped.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

IN DTV/RADIO MODE

■ Skipping a programme number

1 Select a programme number to be skipped.

2 **BLUE** Turn the programme number to blue.

3 **BLUE** Release.

- When programmes are to be skipped, the skipped programme shows in blue and these programmes will not be selected by the **P** ^ v buttons during TV viewing.
- If you wish to select a skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or EPG.

■ Locking a programme number

1 Select a programme number to be locked.

2 **YELLOW** Turn the programme number to yellow.

3 **YELLOW** Release.

- It can be registered as Lock programme even when Lock System is turned Off.

IN TV MODE

This function enables you to delete or skip the stored programmes.
You can also move some channels and use other programme numbers.

■ Deleting a programme

1 Select a programme number to be deleted.

2 **RED** Turn the programme number to red.

- The selected programme is deleted, all the following programmes are shifted up one

■ Moving a programme

1 Select a programme number to be moved.

2 **GREEN** Turn the programme number to green.

3 **GREEN** Release.

■ Skipping a programme number

1. Select a programme number to be skipped.
2. **BLUE** Turn the programme number to blue.
3. **BLUE** Release.

- When a programme number is skipped it means that you will be unable to select it using the **P** ^ ⌄ button during normal TV viewing.
- If you wish to select a skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or EPG.

■ Auto Sort

1. **OK** Start Auto Sort.

- After activating Auto Sort once, you can no longer edit programmes.

■ Locking a programme number

1. Select a programme number to be locked.
2. **YELLOW** Turn the programme number to yellow.
3. **YELLOW** Release.

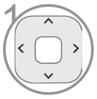
- It can be registered as Lock programme even when Lock System is turned Off.

■ Selecting favourite programme

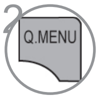
Favourite programmes is a convenient feature that lets you quickly scan up to programmes of your choice without having to wait for the TV to scan through all the in-between programmes.

1. Select your desired programme.
2. **MARK FAV CHAR/NUM** Add corresponding programme to Favourite list of current Favourite group.
3. **MARK FAV CHAR/NUM** Release.

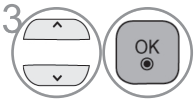
■ Selecting favourite programme group

1 

Select your desired programme.

2 

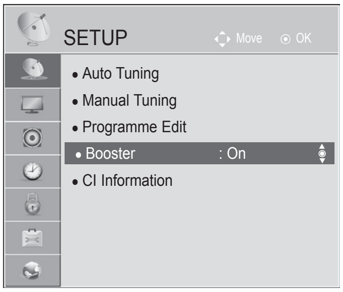
Display a pop-up window where
Favourite group can be changed.

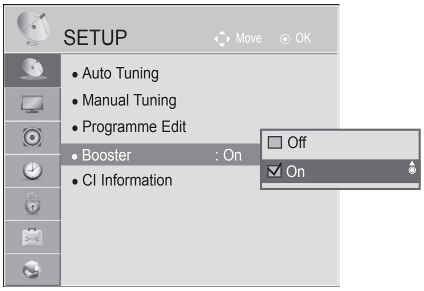
3 

Select a Favourite group.

BOOSTER

If reception is poor select Booster to "On".
When the signal is strong, select "Off".


SETUP
Move
OK
Auto Tuning
Manual Tuning
Programme Edit
Booster : On
CI Information


SETUP
Move
OK
Auto Tuning
Manual Tuning
Programme Edit
Booster : On
CI Information
☐ Off
☑ On

---

1 Select **SETUP**.

2 Select **Booster**.

3 Select **On** or **Off**.

4 Save.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

CI [COMMON INTERFACE] INFORMATION

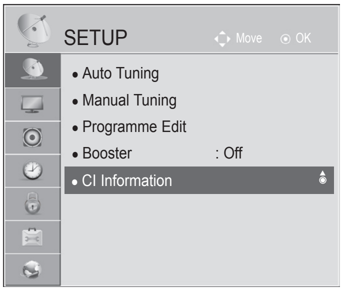
This function enables you to watch some encrypted services (pay services). If you remove the CI Module, you cannot watch pay services.
When the module is inserted into the CI slot, you can access the module menu.
To purchase a module and smart card, contact your dealer. Do not repeatedly insert or remove a CI module from the TV. This may cause a malfunction. When the TV is turned on after inserting a CI Module, you may not have any sound output.

This may be incompatible with the CI module and smart card.

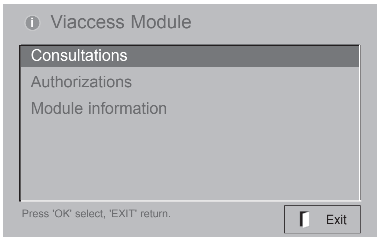
CI (Common Interface) functions may not be possible depending upon the country broadcasting circumstances.

When using a CAM(Conditional Access Module), please make sure it meets fully the requirements of either DVB-CI or CI plus.

A abnormal process of CAM(Conditional Access Module) may cause a bad picture.



• Booster : Off



Press 'OK' select, 'EXIT' return.

- This OSD is only for illustration and the menu options and screen format will vary according to the Digital pay services provider.
- It is possible for you to change CI (Common Interface) menu screen and service by consulting your dealer.

---

1 Select **SETUP**.

2 Select **CI Information**.

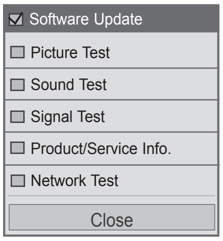
3 Select the desired item: Module information, smart card information, language, or software download etc.

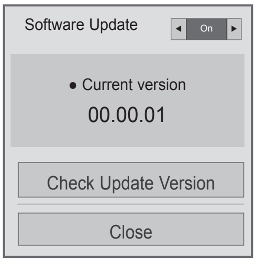
4 Save.

- Press the **BACK/EXIT** button to move to the previous menu screen.

SOFTWARE UPDATE

You can update the TV with the latest software to enhance the product operation and/or add new features.
You can update the software by connecting the TV directly to the software update server.
The Software Update function may not work properly depending on your internet environment. In this case, you can obtain the latest software from the authorized LG Electronics Service Center then update your TV.


☑ Software Update
☐ Picture Test
☐ Sound Test
☐ Signal Test
☐ Product/Service Info.
☐ Network Test
Close


Software Update ◂ On ▸

● Current version
00.00.01

Check Update Version
Close

---

1 MENU RED Select **Customer Support**.

2 Select **Software Update**.

3 OK Select **On** or **Off**.
- If you select **On**, a user confirm message box will be displayed to notify that new software is found.

4 OK Save.

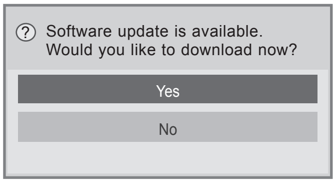
- Use the **Check Update Version** to update the latest software on the Network server manually.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

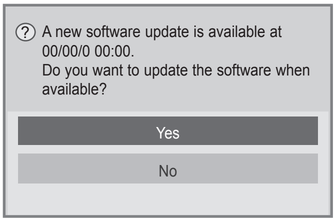
■ When setting “Software Update”

Occasionally, a transmission of updated digital software information will result in the following menu on the TV screen.



Software update is available.
Would you like to download now?

Simple Update : for current update stream

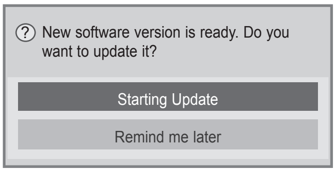


A new software update is available at 00/00/0 00:00.
Do you want to update the software when available?

Schedule Update : for scheduled update stream

When the Software Update menu is "Off", the message to change it to "On" appears.

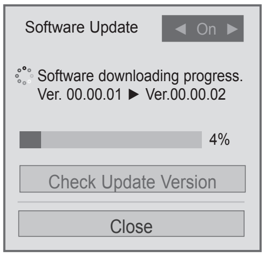
When new Software is available when connected to Internet, the following message will be displayed.



New software version is ready. Do you want to update it?

Download starts when "Yes" is selected. At this time, progressing pop-up window does not display.

Download progress status can be checked from Software Update menu.

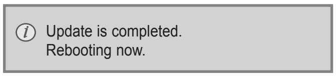


Software Update: On

Software downloading progress.
Ver. 00.00.01 ► Ver.00.00.02

4%

TV is restarted when download is completed.



Update is completed.
Rebooting now.

- During Progress of a Software Update, please note the following:
- Power to the TV must not be interrupted.
- After Software Update, you can confirm the updated software version in Software Update menu.
- It may take hours to download the software, so make sure that the power stays on during the download.

<Simple Update, Schedule Update>

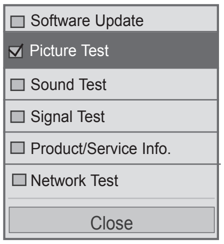
- The antenna must not be disconnected.
- The software is downloaded only in Standby mode or in MUX with Software Update Service, and stops when the power cord is unplugged or when viewing MUX without Software Update Service.
- When you return to Standby mode or MUX with Software Update Service, the software download will resume from where it stopped.

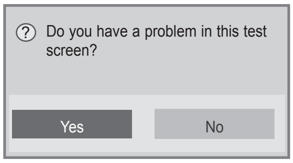
<Network Update>

- You do not disconnect the network while the software is being updated.
- When there is a new software update when you open NetCast, you will not be able to use NetCast without updating the software.
- You cannot open NetCast while the software is being updated.

PICTURE/SOUND TEST

This function is a customer support function that can execute picture and sound tests.


☐ Software Update
☑ Picture Test
☐ Sound Test
☐ Signal Test
☐ Product/Service Info.
☐ Network Test
Close



Do you have a problem in this test screen?

---

1 MENU **RED** Select **Customer Support**.

2 Select **Picture Test** or **Sound Test**.

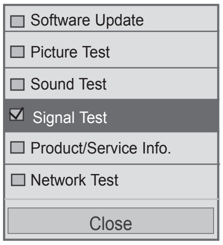
3 OK Select **Yes** or **No**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

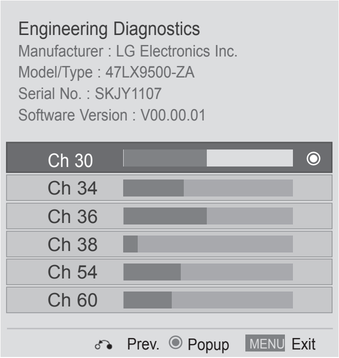
SIGNAL TEST

This function enables you to view information on the Manufacturer, Model/Type, Serial Number and Software Version.

This displays the information and signal strength of the tuned *MUX.
This displays the signal information and service name of the selected MUX.
(*MUX: A higher directory of channels in digital broadcasting (a single MUX contains multiple channels.))



☐ Software Update
☐ Picture Test
☐ Sound Test
☑ Signal Test
☐ Product/Service Info.
☐ Network Test
Close



Engineering Diagnostics
Manufacturer : LG Electronics Inc.
Model/Type : 47LX9500-ZA
Serial No. : SKJY1107
Software Version : V00.00.01

Ch 30
Ch 34
Ch 36
Ch 38
Ch 54
Ch 60
Prev.
Popup
MENU Exit

---

1 MENU **RED** Select **Customer Support**.

2 Select **Signal Test**.

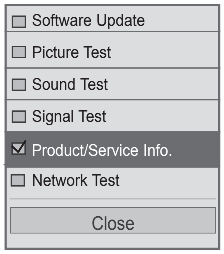
3 OK Display Manufacturer, Model/Type, Serial Number and Software Version.

4 OK Display the information of Channel.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PRODUCT/SERVICE INFORMATION

This function is a customer support function that can see product/service information and customer service center information.


☐ Software Update
☐ Picture Test
☐ Sound Test
☐ Signal Test
☑ Product/Service Info.
☐ Network Test
Close

1 MENU **RED** Select **Customer Support**.

2 Select **Product/Service Info.**.

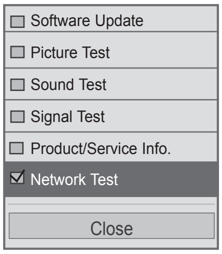
3 OK Display Model/Type, Software version, Serial Number, Used time, Customer service center and Homepage.

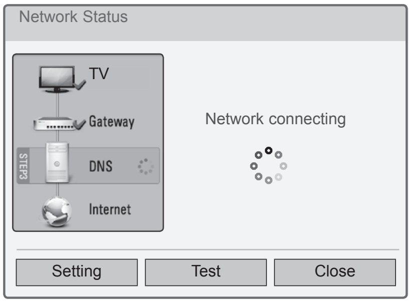
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

NETWORK TEST

Check the network status.


☐ Software Update
☐ Picture Test
☐ Sound Test
☐ Signal Test
☐ Product/Service Info.
☑ Network Test
Close


Network Status
TV
Gateway
STEP3
DNS
Internet
Setting
Test
Close

Network connecting

1. Select **Customer Support**.
2. Select **Network Test**.
3. Check the network status.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

SIMPLE MANUAL

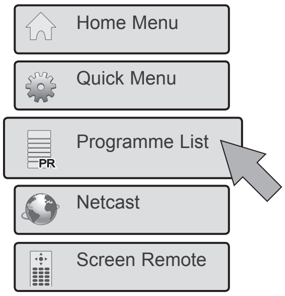
You can easily and effectively access the TV information by viewing a simple manual on the TV. During the Simple Manual operation, audio will be muted.

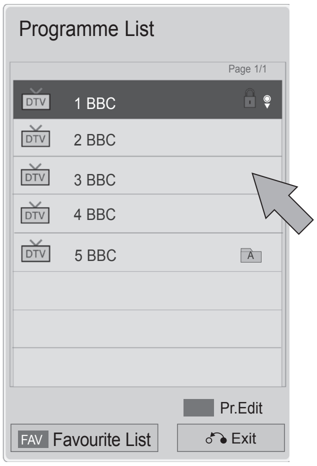
1. Select **Home Menu**.
2. Select **Simple Manual**.
3. Select the part of the manual you want to see.
4. Select **Exit**.

- **RED** : Go to the **Index** page.
- **BLUE** : Play the **Simple Manual** automatically or manually.

SELECTING THE PROGRAMME LIST

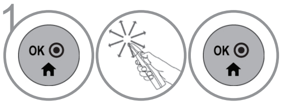
You can check which programmes are stored in the memory by displaying the programme list.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote

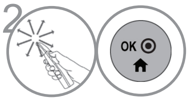

Programme List
Page 1/1
DTV 1 BBC
DTV 2 BBC
DTV 3 BBC
DTV 4 BBC
DTV 5 BBC
A
Pr.Edit
FAV Favourite List
Exit

Mini Glossary

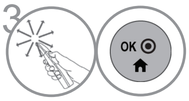
🔒 Displayed when the Locked Programme.



1 Select **Programme List**.



2 Select a programme you want to switch.



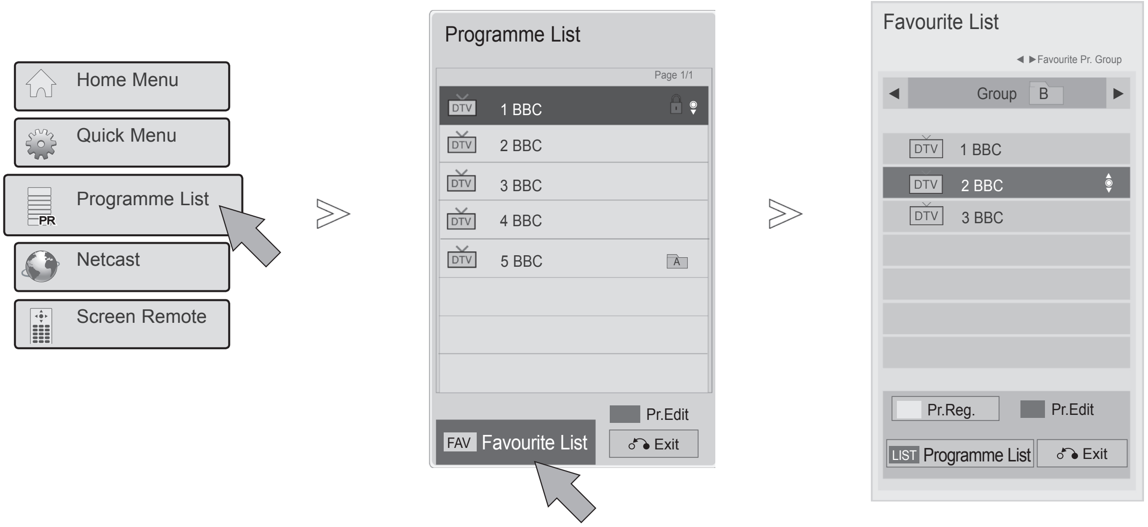
3 Select **Exit**.

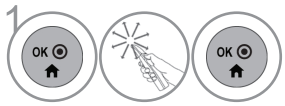
- You may find some blue programmes. These have been set up to be skipped by auto programming or in the programme edit mode.
- Some programmes with the channel number shown in the programme LIST indicate there is no station name assigned.

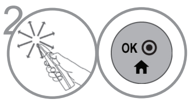
WATCHING TV / PROGRAMME CONTROL

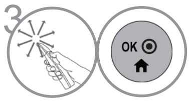
SELECTING THE FAVOURITE PROGRAMME LIST

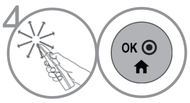
Favourite programmes are a convenient feature that lets you quickly select programmes of your choice without waiting for the TV to select all the in-between programmes.

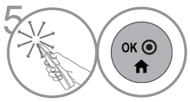

Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote
Programme List
Page 1/1
DTV 1 BBC
DTV 2 BBC
DTV 3 BBC
DTV 4 BBC
DTV 5 BBC
A
Pr.Edit
FAV Favourite List
Exit
Favourite List
◀ ▶ Favourite Pr. Group
◀ Group B ▶
DTV 1 BBC
DTV 2 BBC
DTV 3 BBC
Pr.Reg.
Pr.Edit
LIST Programme List
Exit

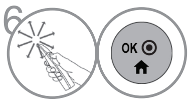

1 Select **Programme List**.


2 Select **Favourite List**.


3 Select your desired favourite programme group from A to D.


4 Select your desired programme.


5 Select **Pr.Reg** to register or cancel the current programme in favourite programme list.

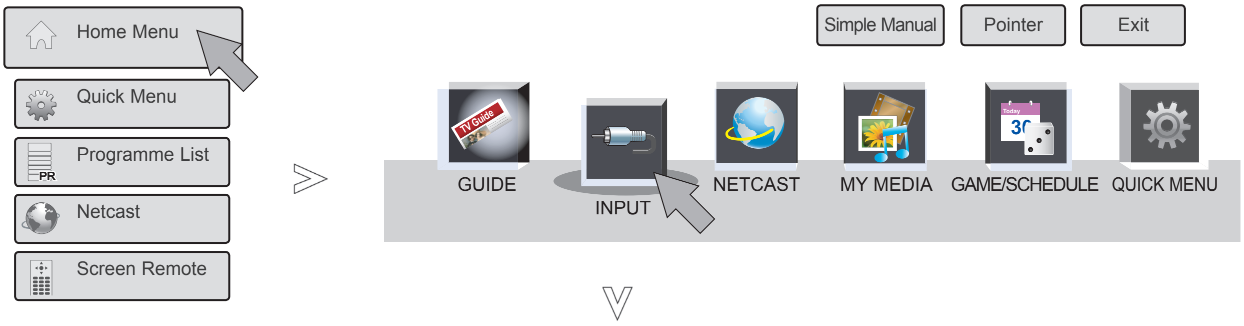

6 Select **Exit**.

- You can also setup **Favourite List** in the **SETUP** menu - **Programme Edit**.

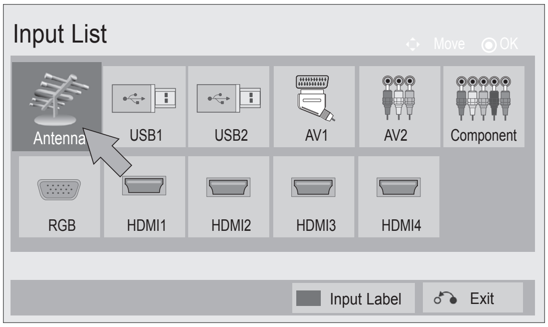
INPUT LIST

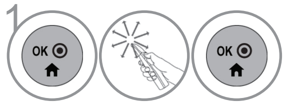
HDMI and AV1 (SCART) can be recognized by a detect pin and thus enabled only when an external device approves voltage.

By using **TV/RAD** button, you can move from External Input to RF Input and to the last watched programme in DTV/RADIO/TV mode.

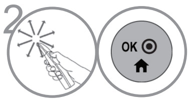

Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote
Simple Manual
Pointer
Exit
TV Guide
GUIDE
INPUT
NETCAST
MY MEDIA
Today
30
GAME/SCHEDULE
QUICK MENU

■ Image shown may differ from your TV.

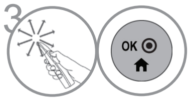

Input List
Move
OK
Antenna
USB1
USB2
AV1
AV2
Component
RGB
HDMI1
HDMI2
HDMI3
HDMI4
Input Label
Exit



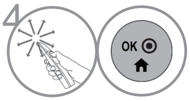
Select **Home Menu**.



Select **INPUT**.



Select the desired input source.



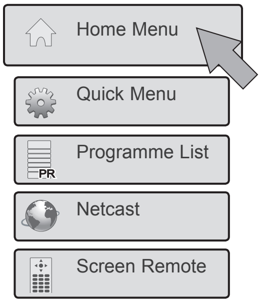
Select **Exit**.

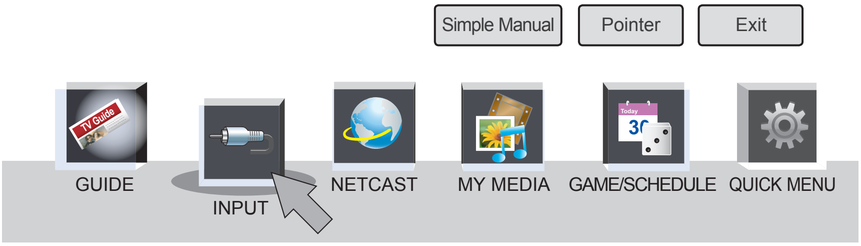
- **Antenna** or **Cable** : Select it when watching the DTV/RADIO/TV.
- **USB :** Select it when using USB depends on connector.
- **AV** : Select it when watching the VCR or external equipment.
- **Component** : Select it when using the DVD or the Digital set-top box depends on connector.
- **RGB** :Select it when using PC depends on connector.
- **HDMI** : Select it when using DVD, PC or Digital set-top box depend on connector.

WATCHING TV / PROGRAMME CONTROL

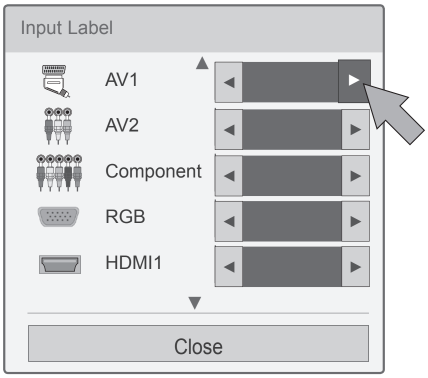
INPUT LABEL

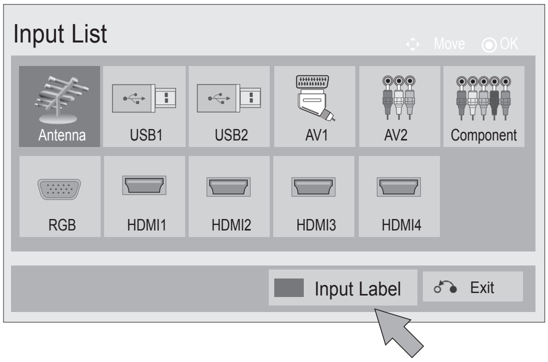
Selects a label for each input source.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote


Simple Manual
Pointer
Exit
GUIDE
TV Guide
INPUT
NETCAST
MY MEDIA
GAME/SCHEDULE
QUICK MENU

- Image shown may differ from your TV.


Input Label
AV1
AV2
Component
RGB
HDMI1
Close


Input List
Move
OK
Antenna
USB1
USB2
AV1
AV2
Component
RGB
HDMI1
HDMI2
HDMI3
HDMI4
Input Label
Exit

1. Select **Home Menu**.
2. Select **INPUT**.
3. Select **Input Label**.
4. Select the desired input source and then select ◄ ► to choose the input label.
5. Select **Close**.

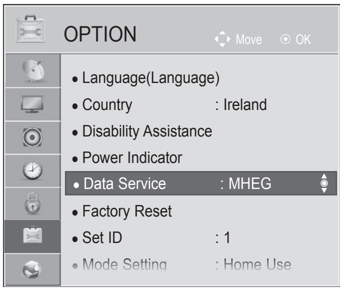
- You can also select the **Input label** using the **BLUE** button on the TV remote control.

DATA SERVICE

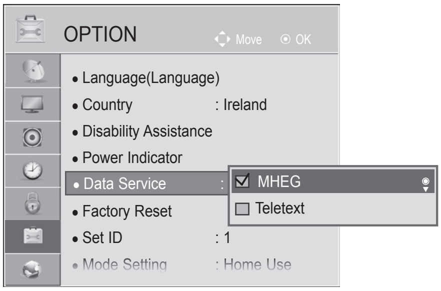
(This menu is enabled only in Ireland.)

This function allow users to choose between **MHEG(Digital Teletext)** and **Teletext** if both exist at the same time.
If only one of them exists, either **MHEG** or **Teletext** is enabled regardless of which option you selected.

When this function is in operation, **Screen Remote** Menu’s number key does not work.



- Language(Language)
- Country : Ireland
- Disability Assistance
- Power Indicator
- Data Service : MHEG
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use



- Language(Language)
- Country : Ireland
- Disability Assistance
- Power Indicator
- Data Service :
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use

☑ MHEG
☐ Teletext

---

1 Select **OPTION**.

2 Select **Data Service**.

3 Select **MHEG** or **Teletext**.

4 Save.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

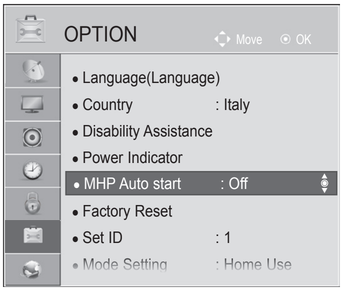
MHP SERVICE

(Only 47/55LX98**)

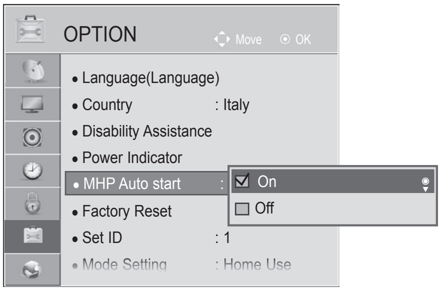
(This menu is enabled only in Italy and MHP services of the other contries may not work properly.)

This function is Auto Start function of MHP, Italian data broadcast.
Use in channel with MHP signal.
Data broadcast function may not be smooth due to situation from the broadcasting station.

When this function is in operation, **Screen Remote** Menu's number key does not work.

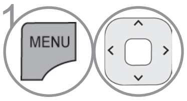


- Language(Language)
- Country : Italy
- Disability Assistance
- Power Indicator
- MHP Auto start : Off
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use

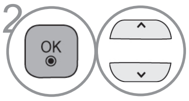


- Language(Language)
- Country : Italy
- Disability Assistance
- Power Indicator
- MHP Auto start :
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use

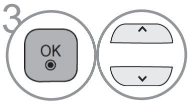
☑ On
☐ Off



Select **OPTION**.



Select **MHP Auto start**.



Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

■ When MHP Auto Start is set to On

1 **RED** Display the **MHP.**

■ When MHP Auto Start is set to Off

1 APP/* Display the **MHP Application List.**

2 ˄ ˅ OK Select your desired MHP broadcast.

- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

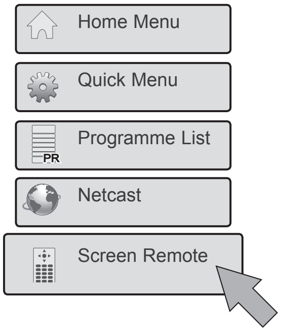
SIMPLINK

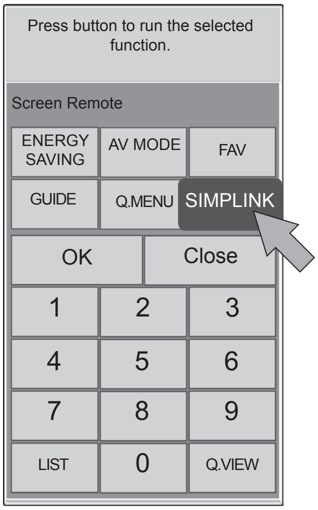
This function operates only with devices with the SIMPLINK logo.
Please check the SIMPLINK logo.

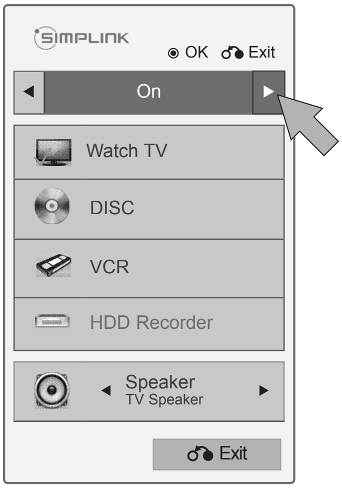
This TV might not function properly when using it with other products with HDMI-CEC function.
This allows you to control and play other AV devices connected to the display through HDMI cable without additional cables and settings.

If you do not want SIMPLINK menu,select “**Off**”.

In wireless external output, SIMPLINK function is not supported.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote

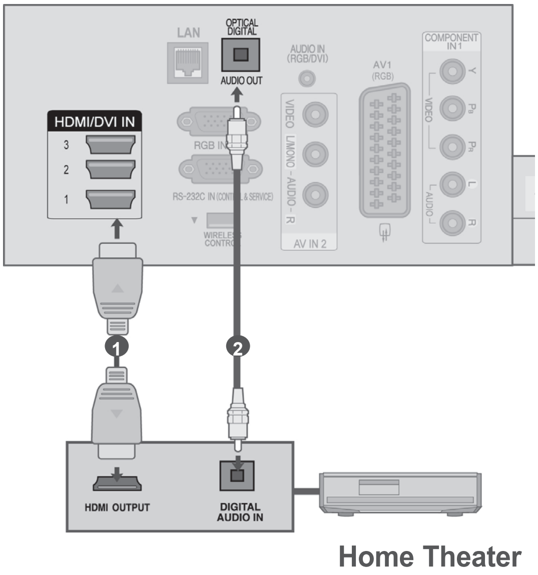

Press button to run the selected function.
Screen Remote
ENERGY SAVING
AV MODE
FAV
GUIDE
Q.MENU
SIMPLINK
OK
Close
1
2
3
4
5
6
7
8
9
LIST
0
Q.VIEW


SIMPLINK
OK
Exit
On
Watch TV
DISC
VCR
HDD Recorder
Speaker
TV Speaker
Exit

1. Select **Screen Remote**.
2. Select **SIMPLINK**.
3. Select **On**.
4. Select the desired device.
5. Select **Exit**.

Connecting to Home Theater with the SIMPLINK logo.

1. Connect the **HDMI/DVI IN 1**, **HDMI/DVI IN 2**, **HDMI/DVI IN 3** or **HDMI IN 4** terminal on the back of the TV and the HDMI output terminal of the Home Theater using HDMI cables.
2. Connect the Digital Audio output terminal on the back of the TV and the Digital Audio input terminal of the Home Theater using optical cables.
3. Select Home Theater in the Speaker menu by pushing the **SIMPLINK** button.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
HDMI/DVI IN
3
2
1
RGB IN
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
L/MONO - AUDIO - R
AV IN 2
Y
PB
PR
L
R
1
2
HDMI OUTPUT
DIGITAL AUDIO IN
Home Theater

▶ When you select or operate a media device with home theater function, the speaker automatically switches to home theater speaker (HT speaker).

NOTE

- ▶ Connect the HDMI/DVI IN or HDMI IN terminal of the TV to the terminal (HDMI terminal) of the SIMPLINK device with the HDMI cable.
- ▶ When you switch the Input source using the INPUT button on the remote control, you can stop the operation of a device controlled by SIMPLINK.

SIMPLINK Functions

Disc playback

Control connected AV devices by pressing the ^ v < >, OK, ►, ■, II, ◄◄ and ►► buttons.

Direct Play

After connecting AV devices to the TV, you can directly control the devices and play media without additional settings.

Select AV device

Enables you to select one of the AV devices connected to the TV and operate it.

Power off all devices

When you switch off the TV, all connected devices are turned off.

Switch audio-out

Offers an easy way to switch audio-out.

Sync Power on

When the equipment with Simplink function connected HDMI terminal starts to play, The TV will change automatically to turn on mode.

* A device, which is connected to the TV through an HDMI cable but does not support SIMPLINK, does not provide this function.

Note: To operate SIMPLINK, an High Speed HDMI Cable with *CEC function should be used. (*CEC: Consumer Electronics Control).

SIMPLINK Menu

Press the ^ ∨ < >button and then OK button to select the desired SIMPLINK source.

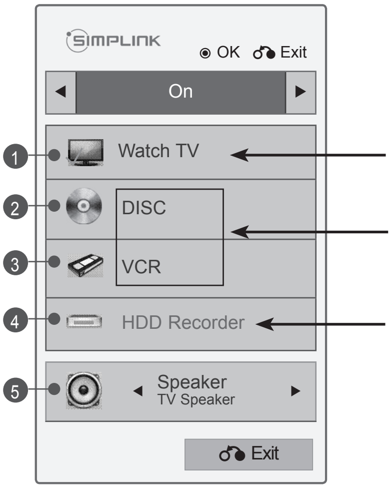
① **TV viewing :** Switch to the previous TV programme regardless of the current mode.

② **DISC playback :** Select and play connected discs.
When multiple discs are available, the device type of discs are conveniently displayed at the bottom of the screen.

③ **VCR playback :** Play and control the connected VCR.

④ **HDD Recordings playback :** Play and control recordings stored in HDD.

⑤ **Audio Out to Home theater/Audio Out to TV:** Select Home theater or TV speaker for Audio Out.



Selected Device

When a device is connected (displayed in bright colour)

When device is not connected (displayed in gray)

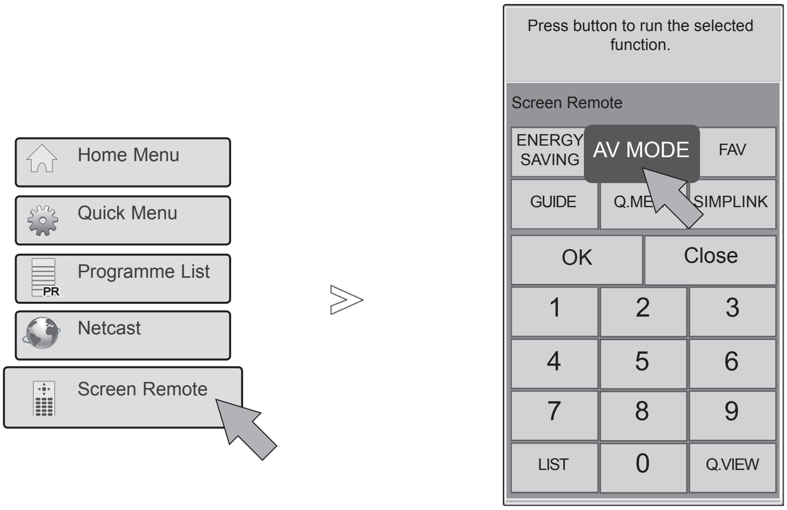
- Home theater: Only one supported at a time
- DVD, Recorder: Up to four supported at a time.
- VCR: Only one supported at a time

WATCHING TV / PROGRAMME CONTROL

AV MODE

You can select the optimal images and sounds when connecting AV devices to external input.

Off	Disables the AV MODE.
Cinema	Optimizes video and audio for watching movies.
Sport	Optimizes video and audio for watching sports events.
Game	Optimizes video and audio for playing games.



Press button to run the selected function.

Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote
Screen Remote
ENERGY SAVING
AV MODE
FAV
GUIDE
Q.ME
SIMPLINK
OK
Close
1
2
3
4
5
6
7
8
9
LIST
0
Q.VIEW

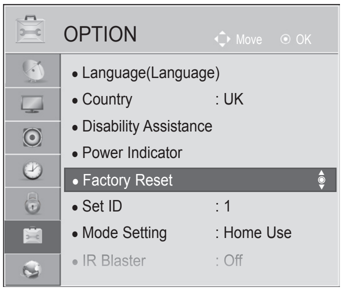
1. Select **Screen Remote**.
2. Select **AV MODE**.
3. Select **AV MODE** repeatedly to select your desired menu option.

- If you select **Cinema** in AV mode, **Cinema** will be selected both for **Picture Mode** and **Sound Mode** in **PICTURE** menu and **AUDIO** menu respectively.
- If you select "**Off**" in AV mode, the picture and image which you initially set will be selected.
- Press the **AV MODE** button repeatedly to select the desired source.

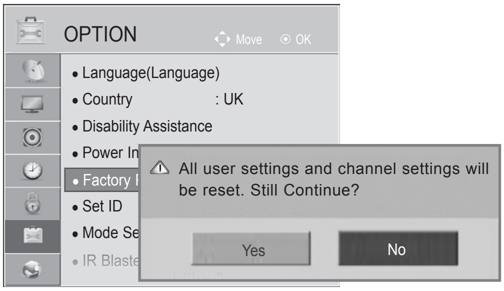
INITIALIZING(RESET TO ORIGINAL FACTORY SETTINGS)

This function initializes all settings.
But the settings of isf **Day** and isf **Night** of the **Picture Mode** cannot be initialized.
It is useful to initialize the product or when you move to other city or country.
When the Factory Reset is completed, you must restart the Initializing setup.

When the **Lock System** menu is "**On**", the message to enter the password appears.


OPTION
Move
OK

- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off


OPTION
Move
OK
Language(Language)
Country : UK
Disability Assistance
Power In
Factory
Set ID
Mode Se
IR Blaste

All user settings and channel settings will be reset. Still Continue?

Yes
No

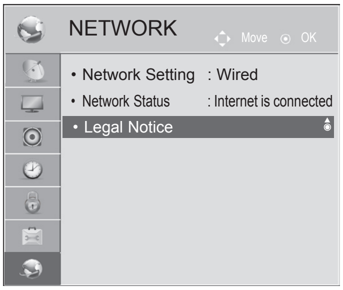
1. Select **OPTION**.
2. Select **Factory Reset**.
3. Select **Yes**.
4. Start Factory Reset.

- In **Lock System** "**On**", if you forget your password, press '0', '3', '2', '5' on the remote control handset.

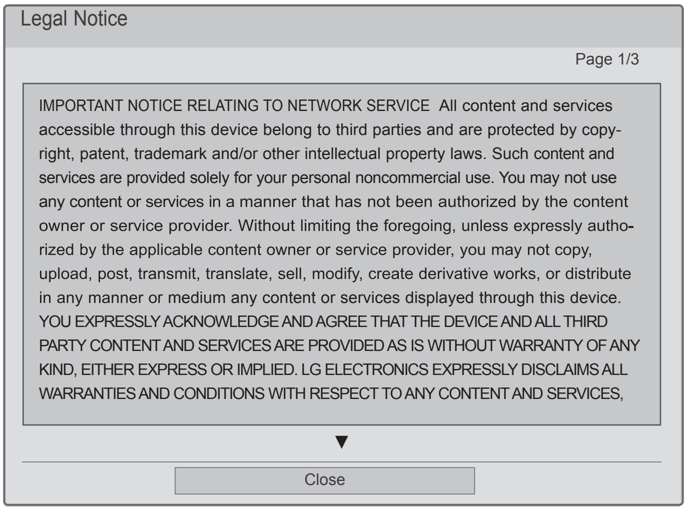
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NETCAST

LEGAL NOTICE



- Network Setting : Wired
- Network Status : Internet is connected
- Legal Notice



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1. MENU Select **NETWORK**.
2. OK Select **Legal Notice**.
3. OK Check Legal notice.

- Press the **MENU/EXIT** button to return to normal TV viewing.

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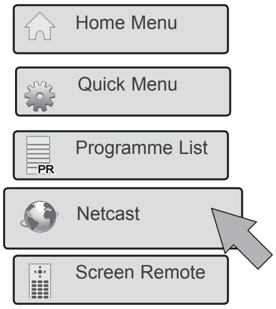
NETCAST

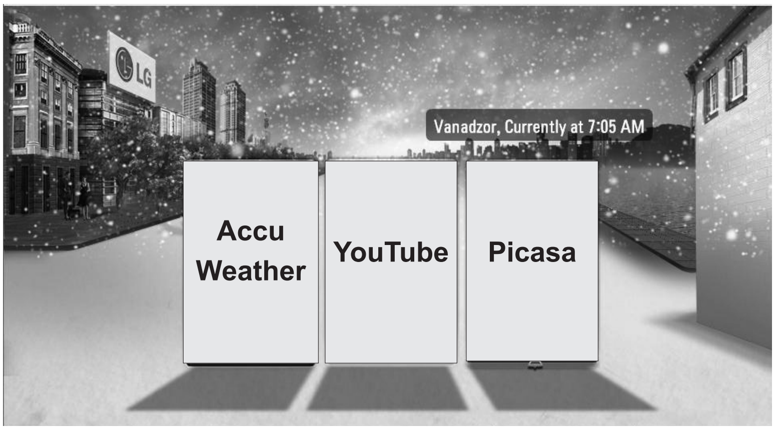
NETCAST MENU

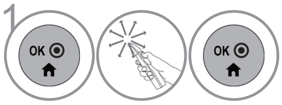
These services are provided by separate Content Provider.

Please visit the content providers web site for specific information on their services. (But, some content manual maybe not provide depending on Content Provider).

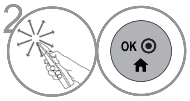
NetCast menu source can differ by country.







Select **NetCast**.



Select **NetCast** menu option.

Enjoy **Online Service**.

NOTE

- ► The videos list searched from the TV may different with the list searched from a web browser on PC.
- ► The settings of this TV do not affect the YouTube's playback quality.
- ► The playback videos may be paused, stopped or buffering occurring often depending on your broadband speed.

  We recommend a minimum connection speed of 1.5 Mbps. For the best playback condition, a connection speed of 4.0 Mbps is required. Sometimes your broadband speed varies based on your ISP's network conditions. Contact your ISP if you have problems maintaining a fast connection that is reliable, or if you want to increase your connection speed. Many ISPs offer a variety of broadband speed options.
- ► To view the owner's manual that provided by the Content Provider, visit our website at http://www.lg.com.
- ► To see the activation method of Orange or maxdome, click the Orange, maxdome in the CD manual (Only Frence or German).
- ► For service that requires log in, join the applicable service on the website using the PC and log in through the TV to enjoy various additional functionalities.
- ► When you set the city you want with Setup by pressing the red button, the background of NetCast will be set to the weather of the selected city.
- ► You can also select the **NetCast** using the **NETCAST** button on the TV remote control.

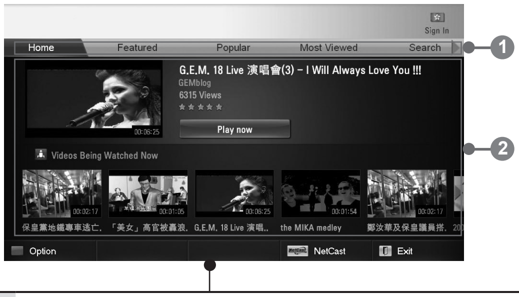
- Press the **RED** button to select Weather of area.
- Press the **EXIT** button to return to normal TV viewing.

YOUTUBE

YouTube is a video sharing website where users can upload, view, and share video clips.

YouTube Screen Components

① YouTube menu
② Videos list


Sign In
Home
Featured
Popular
Most Viewed
Search
G.E.M. 18 Live 演唱會(3) – I Will Always Love You !!!
GEMblog
6315 Views
00:06:25
Play now
Videos Being Watched Now
00:02:17
00:01:05
00:06:25
00:01:54
00:02:17
保皇黨地鐵專車逃亡.
「美女」高官被轟浪.
G.E.M. 18 Live 演唱..
the MIKA medley
鄭汝華及保皇議員搭.
Option
NetCast
Exit
1
2

RED	Set the option menu.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

! NOTE

► When you press the **Q.MENU** button while the Youtube video is playing in full mode, you can set the video options.

YouTube Service menu

- **Home**: You can watch the popular video in real time.
- **Featured**: The featured videos list will be displayed.
- **Popular**: The best rated videos list from YouTube server will be displayed.
- **Most Viewed**: The most viewed videos list will be displayed.
- **Search**: The keypad/keyboard menu will be displayed.
- **History**: The videos list that you previously played will be displayed. Maximum of 20 videos can be stored.
- **Favorites**: In sign-in status, this menu will be displayed the videos list that is arranged in the YouTube server with your account (Some videos may not appear on the **Favorites** list, even if the videos are arranged in the server).
- **Sign in (Sign Out)**: Displays the keypad/keyboard menu to sign in or returns to the sign-out status.

Using the remote control

■	Stops the video and displays related videos list.
II	Pause the video while it is playing.
▶	Play the selected video.
‹ ›	Skip the playback forward or backward.
RED	Set the option menu.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

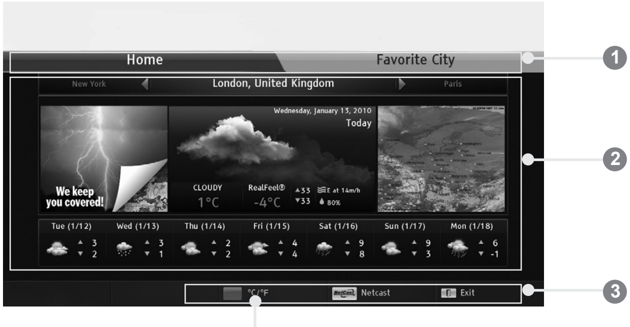
ACCUWEATHER

Accuweather is the programme to view the weather of the city the user wants.

This function cannot be controlled with the Magic motion remote control. Please use a common remote control.

AccuWeather Screen Components

1. AccuWeather menu
2. Weather list by city
3. Corresponding buttons on the remote control


Home
Favorite City
New York
London, United Kingdom
Paris
Wednesday, January 13, 2010
Today
We keep you covered!
CLOUDY
1°C
RealFeel®
-4°C
▲33
▼33
E at 14m/h
80%
Tue (1/12) ▲3 ▼2
Wed (1/13) ▲3 ▼1
Thu (1/14) ▲2 ▼2
Fri (1/15) ▲4 ▼4
Sat (1/16) ▲9 ▼8
Sun (1/17) ▲9 ▼3
Mon (1/18) ▲6 ▼-1
°C/°F
Netcast
Exit
1
2
3

RED	Change between Celsius and Fahrenheit.
^ < > v	Move the focus to the menu you want.
OK	Select the focused menu.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

AccuWeather Service menu

- **Home**: The weather of selected city is displayed.
- **Favorite City:** Frequently checked cities can be registered to check the weather.

NOTE

► By default, New York, London and Paris are registered and the user can add/delete cities from **Favorite City**.

► LG is not responsible for the accuracy of the weather forecast.

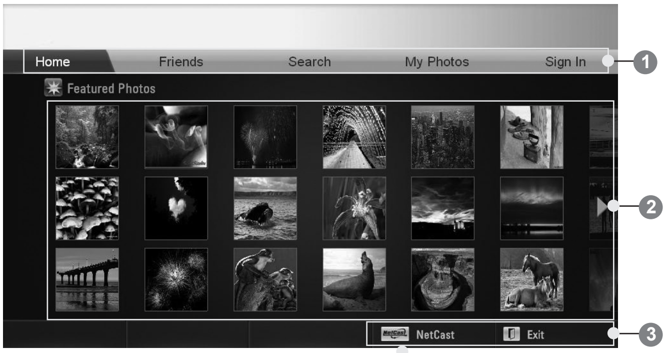
► Applicable weather information can differ from the actual weather depending on the information provided by Accuweather.

PICASA

Picasa is an application from Google that appreciates digital image files.

Picasa Screen Components

① Picasa menu
② Photos list
③ Corresponding buttons on the remote control


Home
Friends
Search
My Photos
Sign In
Featured Photos
NetCast
Exit
1
2
3

◁ △ ▷ ▽	Select the desired photo.
OK	The selected photo file is displayed.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

Picasa Service menu

- **Home**: The featured photos list will be displayed.
- **Friends**: You can register users with the pictures you want as friends. You can add up to 10 friends.
- **Search**: The keypad/keyboard menu will be displayed.
- **My Photos**: You can view the pictures uploaded to the Web. This function can only be used when you sign in.
- **Sign in (Sign Out)**: Displays the keypad/keyboard menu to sign in or returns to the sign-out status.

TO USE 3D VIDEO

3D VIDEO

This TV can display 3D video when received from a compatible device. 3D video contains two pictures for each video frame formatted for each eye. Therefore, special 3D glasses are required to view 3D video.

- ▶On initial power on after turning the power on, the may need a few seconds to calibrate with the TV.
- ▶It may take some time to see standard stereoscopic if you look at other places and stereoscopic again while watching stereoscopic.
- ▶It may flicker slightly on TV while watching stereoscopic under 3 wavelength lamp fluorescent light(50 Hz~60 Hz) or around windows. If so, it is recommended to block the sun light with a curtain and to turn lights low.
- ▶When watching with other company's 3D glasses, the 3D video may not work normally.
- ▶If there is an obstacle between the emitter and the 3D glasses, 3D vision cannot be viewed normally.
- ▶Use TV as far as possible from other electronic equipments and IR equipments.

Caution when viewing 3D video

- ▶When viewing 3D video, watch the TV within effective viewing angle and distance.
  - If you exceed the viewing angle or distance, you may not be able to view 3D video.
- ▶If the receiving range is out of the specified range, the screen may not be viewable as 3D video. When watching while lying down, the screen may not be visible.
- ▶If you watch 3D video too closely for a long period of time, it may hurt you eyesight.
- ▶Watching TV or game screen with 3D video glasses for a long period of time can cause drowsiness or fatigue to your eyes.
  - If you feel headache, fatigue or drowsiness, stop watching TV and take a rest.
- ▶Pregnant woman, senior, person with heart problem or frequent drowsiness should refrain from watching 3D video.
- ▶Some 3D video may cause you to duck or dodge the image in the video. Do not watch 3D video near fragile objects or any objects that can be knocked over easily.
- ▶Please prevent children under the age of 5 from watching 3D video. It may cause problems to normal vision development.
- ▶Warning for photosensitization seizure

  Specific image from the video game and light or specific pattern from the video can cause a seizure to some individuals. If you or anybody from your family has a history of epilepsy or seizure, please consult your doctor before watching 3D video.

  Also the following symptoms can occur in unspecified conditions without any previous history.

  - If you experience dizziness, visual transition, visual or facial instability, unconscious action, convulsion, loss of conscience, confusion, loss of directional sense or nausea during or after watching 3D video, immediately stop watching 3D video and consult the doctor.

  Risk of photosensitization seizure can be reduced with the following actions.

  - Take 5-15 minutes of break for every 1 hour watched.
  - For anyone that has a difference in the vision between the eyes, watch after taking vision correction measures.
  - Watch at eye level with the 3D screen, directly in front of the screen.
  - When you feel fatigued, dizzy or have a headache, stop watching and take a break.
  - Do not watch 3D video when sleepy, tired or sick, and avoid watching 3D video for a long period of time.

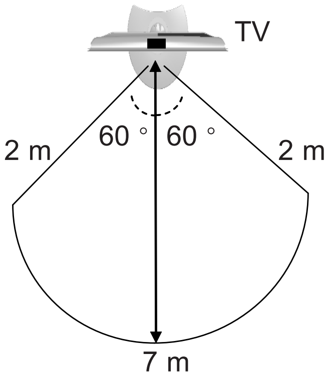
CAUTION WHEN USING 3D GLASSES

- ►3D glasses is sold separately. Refer to the 3D glasses manual for operating instructions.
- ►Do not use the 3D glasses to replace the general glasses, sunglasses or protective goggles.
- ►Do not store the 3D glasses in hot or cold location.
- ►Do not drop objects onto the 3D glasses. Do not drop or bend the glasses.
- ►Since the lenses of the 3D glasses are easily scratched, make sure to clean only with a soft cloth. As the product may be scratched if there is any foreign material on the cloth, shake off any dust before using it.

3D VIDEO VIEWING RANGE

TV size, viewing angle & other circumstances may change the viewing distance and the angle of view.

Viewing Distance	2 m - 7 m
Viewing Angle	120 º (When the viewing distance is 2 m)



TO USE 3D VIDEO

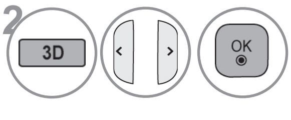
WATCHING 3D VIDEO

1 Play the title produced in 3D video.
Refer to the following for 3D video input format supported.

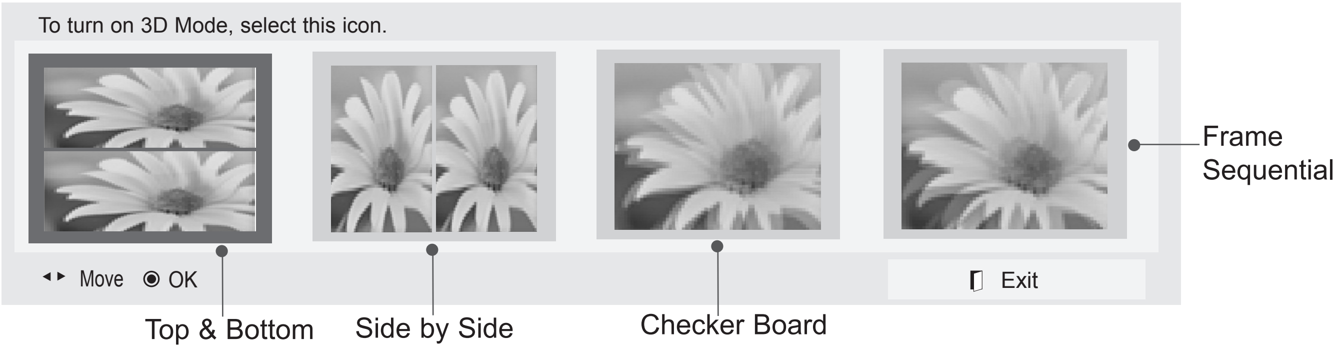
	Signal	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Playable 3D video format
HDMI Input	720p	1280x720	45	60	Top & Bottom, Side by Side
			89.9/90	59.94/60	HDMI (V. 1.4 with 3D) Frame Packing
			37.5	50	Top & Bottom, Side by Side
			75		HDMI (V. 1.4 with 3D) Frame Packing
	1080i	1920X1080	33.75	60	Top & Bottom, Side by Side
			28.125	50	
	1080p	1920X1080	67.50	60	Top & Bottom, Side by Side, Checker Board, Single Frame Sequential
			56.250	50	
			27	24	Top & Bottom, Side by Side, Checker Board
			53.95/54	23.98/24	HDMI (V. 1.4 with 3D) Frame Packing
			33.75	30	Top & Bottom, Side by Side Checker Board
USB Input	1080p	1920X1080	33.75	30	Top & Bottom, Side by Side Checker Board

For 3D video feed that is input in the HDMI (V. 1.4 with 3D) Frame Packing format, it is automatically switched to 3D.
Media contents and a player need to support HDMI (V. 1.4 with 3D) Frame Packing to play Frame Packing format stereoscopic.
Video, which is input as HDMI (V. 1.4 with 3D) Frame Packing format, is switched into the stereoscopic screen automatically.

2

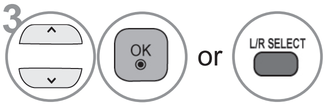


After selecting the shape as shown in the screen on TV, wear the 3D glasses.

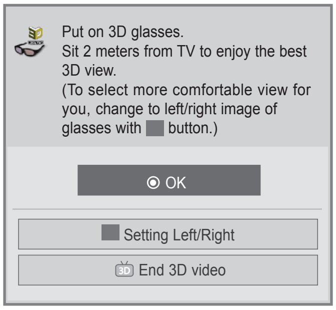


To turn on 3D Mode, select this icon.

3

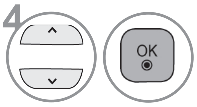


Select **Setting Left/Right**.

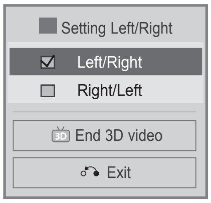


Put on 3D glasses.
Sit 2 meters from TV to enjoy the best 3D view.
(To select more comfortable view for you, change to left/right image of glasses with ▇ button.)

4



Select **Left/Right** or **Right/Left**.
Select the screen with 3D video with better visibility.



- Press the **3D** button to return to normal TV viewing.

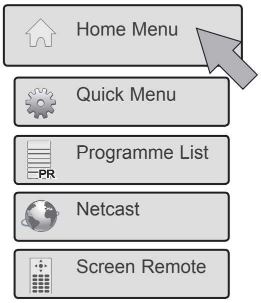
NOTE

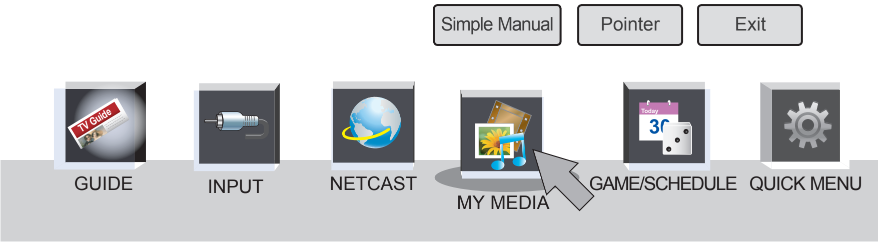
- ► Some menus may not work while watching 3D video.
- ► You can only choose→Standard → Movie → Game with the **AV MODE** button on remote control. AV Mode is set as Standard while playing 3D video.
- ► 3D video does not work during external input lock, external input transition, editing **Input Label**, **MY MEDIA** menu and **SIMPLINK**.
- ► 3D effect can be seen when 3D Mode is selected appropriately for the 3D input signal supplied to the TV.
- ► Picture mode is set as Standard, Energy Saving Off if entering to 3D mode.
- ► While watching stereoscopic images, you cannot adjust video/audio settings using the menu.
- ► For *.mpo file (3D camera file), the stereoscopic mode is set to on automatically.
- ► DTV does not support 3D mode.

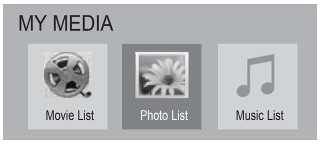
TO USE A USB OR PC DEVICE

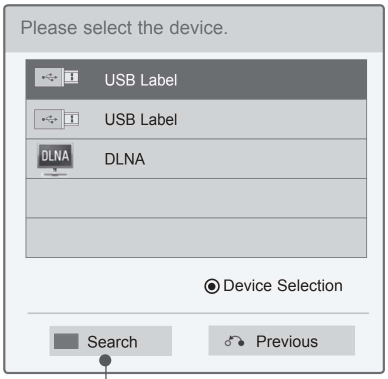
ENTRY MODE

When you connect a USB device, this pop up menu is displayed, automatically.
“POP UP MENU” will not be displayed while the OSD including Menu, EPG or Schedule list is activated.
When the Pop Up menu appears, you can select Music List, Photo List or Movie List in the MY MEDIA menu.
In USB device, you can not add a new folder or delete the existing folder.
After choosing the desired type of media, choose a device to open files from. The options are: USB device or DLNA.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote


Simple Manual
Pointer
Exit
TV Guide
GUIDE
INPUT
NETCAST
MY MEDIA
Today
30
GAME/SCHEDULE
QUICK MENU


MY MEDIA
Movie List
Photo List
Music List


Please select the device.
USB Label
USB Label
DLNA
DLNA
Device Selection
Search
Previous

Search other network device.

---

1 Select **Home Menu**.

2 Select **MY MEDIA**.

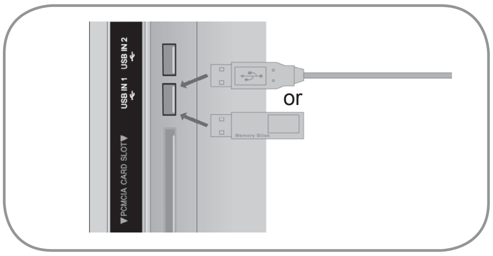
3 Select **Movie List**, **Photo List** or **Music List**.

4 Select the desired device.

CONNECTION METHOD

USB Connection

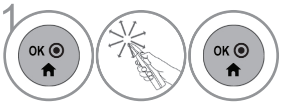
1 Connect the USB device to the **USB IN 1** or **USB IN 2** jack on the TV.


USB IN 2
USB IN 1
▼PCMCIA CARD SLOT▼
or
Memory Stick

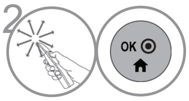
- Only photo(JPEG), music (MP3) and movie(DAT, MPG, MPEG, VOB, AVI, DIVX, MP4, MKV, TS, TRP, TP, ASF, WMV) are supported.

When removing the USB device

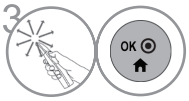
Select the **USB Device** menu before removing the USB device.

1


Select **Quick Menu**.

2


Move **USB Device**.

3


Select **Eject**.

TO USE A USB OR PC DEVICE

Precautions when using the USB device

- ► Only a USB storage device is recognizable.
- ► If the USB storage device is connected through a USB hub, the device is not recognizable.
- ► A USB storage device using an automatic recognition programme may not be recognized.
- ► A USB storage device which uses its own driver may not be recognized.
- ► The recognition speed of a USB storage device may depend on each device.
- ► Please do not turn off the TV or unplug the USB device when the connected USB storage device is working. When such device is suddenly separated or unplugged, the stored files or the USB storage device may be damaged.
- ► Please do not connect the USB storage device which was artificially maneuvered on the PC. The device may cause the product to malfunction or fail to be played. Never forget to use only a USB storage device which has normal music files, image files or movie files.
- ► Please use only a USB storage device which was formatted as a FAT32 file system, NTFS file system provided with the Windows operating system. In case of a storage device formatted as a different utility programme which is not supported by Windows, it may not be recognized.
- ► Please connect power to a USB storage device(over 0.5 A) which requires an external power supply. If not, the device may not be recognized.
- ► Please connect a USB storage device with the cable offered by the device maker.
- ► Some USB storage devices may not be supported or operated smoothly.
- ► File alignment method of USB storage device is similar to Window XP and filename can recognize up to 100 English characters.
- ► Be sure to back up important files since data stored in a USB memory device may be damaged. We will not be responsible for any data loss.
- ► If the USB HDD does not have an external power source, the USB device may not be detected. So be sure to connect the external power source. - Please use a power adaptor for an external power source. We do not guarantee an USB cable for an external power source.
- ► If your USB memory device has multiple partitions, or if you use a USB multi-card reader, you can use up to 4 partitions or USB memory devices.
- ► If a USB memory device is connected to a USB multi-card reader, its volume data may not be detected.
- ► If the USB memory device does not work properly, disconnect and reconnect it.
- ► How fast a USB memory device is detected differs from device to device.
- ► If the USB is connected in Standby Mode, specific hard disk will automatically be loaded when the TV is turned on.
- ► The recommended capacity is 1 TB or less for a USB external hard disk and 32 GB or less for USB memory.
- ► Any device with more than the recommended capacity may not work properly.
- ► If a USB external hard disk with a "Energy Saving" function does not work, turn the hard disk off and on again to make it work properly.
- ► USB storage devices below USB 2.0 are supported as well. But they may not work properly in the movie list.
- ► Maximum of 999 folders or files can be recognized under one folder.
- ► If there are too many folders and files in one folder, it may not operate properly.

DLNA

About DLNA

This TV is a DLNA Certified digital media product.

It can display and play a movie, photo and music content from your DLNA server.

The Digital Living Network Alliance (DLNA) is a cross-industry organization of consumer electronics, computing industry and mobile device companies. Digital Living provides consumers with easy sharing of digital media through a wired or wireless network in the home.

The DLNA certification logo makes it easy to find products that comply with the DLNA Interoperability Guidelines. This unit complies with DLNA Interoperability Guidelines v1.5. When a PC running DLNA server software or other DLNA compatible device is connected to this TV, some setting changes of software or other devices may be required. Please refer to the operating instructions for the software or device for more information.

NOTE

- ►The supplied Nero MediaHome 4 Essentials CD-ROM is a customized software edition only for sharing files and folders to this TV.
- ►The supplied Nero MediaHome 4 Essentials software does not support following functions: Transcoding, Remote UI, TV control, Internet services and Apple iTunes
- ►This manual explains operations with the English version of Nero MediaHome 4 Essentials as examples. Follow the explanation referring to the actual operations of your language version.
- ►If there are too many folders and files in one folder, it may not operate properly.
- ►For the DLNA option, use the Nero MediaHome programme that is provided with the TV. However, we cannot guarantee that third party programmes will work perfectly.
- ►You can select a channel while viewing the small preview channel list on your TV screen.
- ►Check your network settings when the DLNA option does not work properly.
- ►If there is an abnormal operation or an error occurs in Nero Media Home, the DLNA option may not work properly. In this case, exit Nero Media Home and restart the programme. You can download the latest version of Nero Media Home by clicking the question mark at the bottom-left of the programme.
- ►When the network is unstable, the device may be slower or may need to load during playback.
- ►When playing a video in DLNA mode, the Multi Audio and Closed Caption features are not supported.
- ►When selecting Full Screen in DLNA mode, the ratio of the outputted screen may differ from the original.
- ►When more than one TV is connected to a single server in DLNA mode, a file may not play properly, depending on the server performance.
- ►If the play time information is not provided by the server, it is displayed as "--:--:--."
- ►When using Movie List, DRM/*.tp /*.trp files in the DLNA server cannot be played.
- ►DLNA operation may not work properly according to the AP manufacturers.

Installing Nero MediaHome 4 Essentials

Nero MediaHome 4 Essentials is easy to use DLNA server software for Windows.

Requirement PC system before you install Nero MediaHome 4 Essentials

- Windows® XP (Service Pack 2 or higher), Windows Vista® (no Service Pack required), Windows® XP Media Center Edition 2005 (Service Pack 2 or higher), Windows Server® 2003
- Windows Vista® 64-bit edition (application runs in 32-bit mode)
- Hard drive space: 200 MB hard drive space for a typical installation of Nero MediaHome stand-alone
- 1.2 GHz Intel® Pentium® III or AMD Sempron™ 2200+ processors
- Memory: 256 MB RAM
- Graphics card with at least 32 MB video memory, minimum resolution of 800 x 600 pixels, and 16-bit colour settings
- Windows® Internet Explorer® 6.0 or higher
- DirectX® 9.0c revision 30 (August 2006) or higher
- Network environment: 100 Mb Ethernet, WLAN (IEEE 802.11 b/g/n) (IEEE 802.11 n: Except for Russia)

1. Start up your computer, and insert the Nero MediaHome 4 Essentials CD-ROM into your computer's CD-ROM drive.
   An installation wizard will walk you through the quick and uncomplicated installation process.
2. Close all Microsoft Windows programmes and exit any anti-virus software that may be running.
3. Insert the Nero MediaHome 4 Essentials CD-ROM into your computer's CD-ROM drive.
4. Click **Nero MediaHome 4 Essentials**. The installation is prepared and the installation wizard appears.
5. Click the **Next** button to display the serial number input screen.
   Click **Next** to go to the next step.
6. If you accept all conditions, click **I accept the License Conditions** check box and click **Next**. Installation is not possible without this agreement.
7. Click **Typical** and click **Next**. The installation process is started.
8. If you want to take part in the anonymous collection of data, select the check box and click the **Next** button.
9. Click the **Exit** button to complete the installation.

Sharing files and folders

After installing Nero MediaHome, you must add folders you wish to share.

1 Double-click the **Nero MediaHome 4 Essentials** icon on the desktop.

2 Click **Network** icon on the left and define your network name in the **Network name** field. The Network name you enter will be recognized by your TV.

3 Click **Shares** icon on the left.

4 Click **Local Folders** tab on the **Shared** screen.

5 Click **Add** icon to open the **Browse Folder** window.

6 Select the folder containing the files you want to share. The selected folder is added to the list of shared folders.

7 Click **Start Server** icon to start the server.

NOTE

►If the shared folders or files are not displayed on the TV, click the folder on the **Local Folders** tab and click **Rescan Folder** at the **More** button.

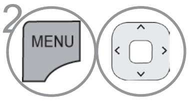
►Visit **www.nero.com** for more information and software tools.

TO USE A USB OR PC DEVICE

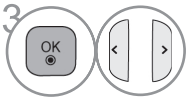
Playing back shared contents

You can display and play movie, photo and music content stored on your computer or other DLNA media servers.

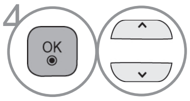
1 Start the server on your computer or other device that connected on your home network.

2 

Select **MY MEDIA**.

3 

Select **Movie List**, **Photo List** or **Music List**.

4 

Select the DLNA.
Depending on the media server, this TV may need to get the permission from the server.
If you want to re-scan available media server, press blue colour button.

❗ NOTE

- ►To play the file on the media server, the TV and the media server must be connected to the same access point.
- ►Because the compatibility and available playback functions on the **MY MEDIA** menu are tested on the bundle DLNA server (Nero MediaHome 4 Essentials) environment, file requirements and playback functions on the **MY MEDIA** may differ depending on media servers.
- ►The file requirements on this page are not always compatible. There may have some restrictions by file features and media server's ability.
- ► Even the files that are not supported can be displayed in photo thumbnail or music thumbnail.
- ►Movie thumbnail is not supported in DLNA Movie.
- ►If there is an unplayable music file in the **MY MEDIA** menu, the TV will skip the file and play next file.
- ►The file information indicated on the screen may not always correct for music and movie files in **MY MEDIA** menu.
- ►This TV only supports movie subtitle files supplied by Nero MediaHome 4.
- ►The subtitle file name and movie file name have to be the same and located at the same folder.
- ►If subtitle files have been added after a directory has been indexed already, the user has to remove and re-add the folder to the list of shares.
- ►The playback and operating quality of the **MY MEDIA** function may be affected by your home network condition.
- ►The files from removable media such as USB drive, DVD-drive etc. on your media server may not share properly.
- ► When playing the Media through DLNA connection, it does not support the DivX file play which is protected by DRM.
- ► Up to 200 folders in one folder and 999 including folders and files can be recognized.
- ► If there are too many folders and files in one folder, it may not operate properly.

MOVIE LIST

You can play movie files on a USB or PC storage device.
The movie list is activated once USB is detected. It is used when playing movie files on TV.
Displays the movies in the USB folder and supports Play.
Allows playback of all movies in the folder and user desired files.
It is a movie list that displays folder information and movie file.
The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

Movie(*.mpg/*.mpeg/*.dat/*.ts/*.trp/*.tp/*.vob/*.mp4/*.mov/*.mkv/*.dvix/*.avi/*.asf/*.wmv/*.avi(motion-jpeg)/*.mp4(motion-jpeg)/*.mkv(motion-jpeg))supporting file

Video format : DivX3.11, DivX4.12, DivX5.x, DivX6, Xvid1.00, Xvid1.01, Xvid1.02, Xvid1.03, Xvid1.10 beta-1/beta-2, Mpeg-1, Mpeg-2, Mpeg-4, H.264/AVC, VC1, JPEG, Sorenson H.263

Audio format : Dolby Digital, AAC, Mpeg, MP3, LPCM, HE-AAC, ADPCM, WMA

Bit rate : within 32 kbps to 320 kbps(MP3)

External Subtitle format : *.smi/*.srt/*.sub(MicroDVD,Subviewer1.0/2.0)/*.ass/*.ssa/*.txt(TMPlayer)/*.psb(PowerDivX)

Internal Subtitle format : only, XSUB (It is the subtitle format used in DivX6 files)

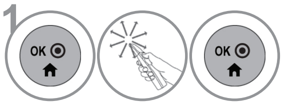
- Some user-created subtitles may not work properly.
- Some special characters are not supported in subtitles.
- HTML tags are not supported in subtitles.
- Subtitles in languages other than the supported languages are not available.
- Changing font and colour in subtitles is not supported.
- Subtitles in languages other than one specified are not supported.
- Video files with subtitle files of 1 MB or larger may not be played properly.
- The screen may suffer temporary interruptions (image stoppage, faster playback, etc.) when the audio language is changed.
- A damaged movie file may not be played correctly, or some player functions may not be usable.
- Movie files produced with some encoders may not be played correctly.
- If the video and audio structure of recorded file is not interleaved, either video or audio is outputted.
- HD videos with a maximum of 1920x1080@25/30P or 1280x720@50/60P are supported, depending on the frame.
- Videos with resolutions higher than 1920X1080@25/30P or 1280x720@50/60P may not work properly depending on the frame.
- Movie files other than the specified types and formats may not work properly.
- **Max bitrate of playable movie file is 20 Mbps.**
- We do not guarantee smooth playback of profiles encoded level 4.1 or higher in H.264/AVC.
- DTS Audio codec is not supported.
- A movie file more than 30 GB in file size is not supported for playback.
- A DivX movie file and its subtitle file must be located in the same folder.
- A video file name and its subtitle file name must be identical for it to be displayed.
- Playing a video via a USB connection that doesn’t support high speed may not work properly.
- The movie file encoded by the GMC (Global Motion Compensation) and Qpel (Quarterpel Motion Estimation) is not supported.
- When you are watching the movie by Movie List function, you can adjust an image by **Energy Saving** and **AV Mode** key on the remote control. User setup for each image mode does not operate.
- Trick Mode does not support other functions than ►► if video files do not have index information.
- When playing video file using network, the Trick mode is limited to 2-times speed.
- Video file names that contain special characters may not be playable.

Supported DivX file

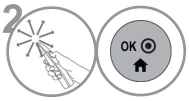
File Extensions	A/V	Codec	Profile/Level Support	Explanation
.asf .wmv	Video	VC-1 Advanced Profile	Advanced Profile@Level 3 (e.g. 720p60, 1080i60, 1080p30)	Only streams compliant to SMPTE 421M VC-1 standard are supported.
		VC-1 Simple and Main Profiles	Simple Profile@Medium Level (e.g. CIF, QVGA) Main Profile@High Level (e.g. 1080p30)	
	Audio	WMA Standard		
		WMA 9 Professional		
.divx .avi	Video	DivX3.11		Global motion compensation or quarterpel motion estimation does not supported. Streams using this syntax are not supported.
		DivX4 DivX5 DivX6	Advanced Simple Profile (e.g. 720p/1080i)	
		XViD		
		H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	
	Audio	MPEG-1Layer I, II MPEG-1 Layer III(MP3) Dolby Digital		
.mp4 .m4v	Video	H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	Global motion compensation or quarterpel motion estimation does not supported. Streams using this syntax are not supported.
		MPEG-4 Part 2	Advanced Simple Profile (e.g. 720p/1080i)	
	Audio	AAC	AAC-LC and HE-AAC	
.mkv	Video	H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	Most of the MKV content available is encoded by the open source x264 codec.
	Audio	AAC	AAC-LC and HE-AAC	
		Dolby Digital		
.ts .trp .tp	Video	H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	
		MPEG-2	Main Profile@High Level(e.g. 720p60, 1080i60)	
		VC-1	Simple Profile@Medium Level (e.g. CIF, QVGA) Main Profile@High Level (e.g. 1080p30) Advanced Profile@Level3 (e.g. 720p60, 1080i60, 1080p30)	Only streams compliant to SMPTE 421M VC-1 standard are supported.
	Audio	MPEG-1Layer I, II MPEG-1 Layer III(MP3) Dolby Digital		
		AAC	AAC-LC and HE-AAC	
.vob	Video	MPEG-1		
		MPEG-2	Main Profile@High Level (e.g. 720p60, 1080i60)	
	Audio	Dolby Digital MPEG-1Layer I, II DVD-LPCM		
.mpg	Video	MPEG-1	Main Profile@High Level (e.g. 720p60, 1080i60)	Only streams compliant configured properly for TS, PS or ES
	Audio	MPEG-1Layer I, II		

Screen Components

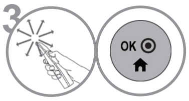
You can also adjust **USB** in the **INPUT** menu.



Select **Home Menu**.



Select **MY MEDIA**.



Select **Movie List.**

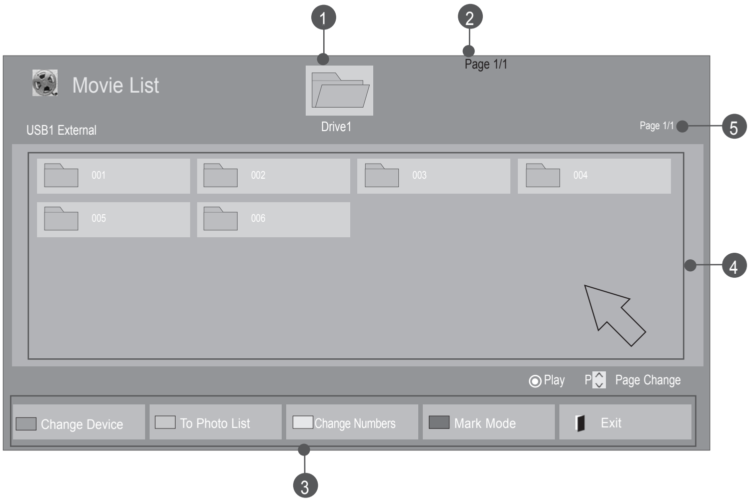
❶ Moves to upper level folder

❷ Current page/Total pages

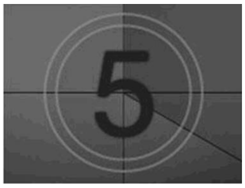
❸ Corresponding buttons on the remote control

❹ Contents under the folder focused on ❶

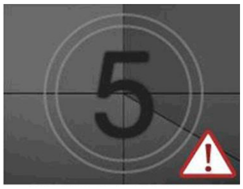
❺ Current page/ total pages of contents under the folder focused on ❶


1
2
Page 1/1
Movie List
USB1 External
Drive1
Page 1/1
5
001
002
003
004
005
006
4
Play
P
Page Change
Change Device
To Photo List
Change Numbers
Mark Mode
Exit
3

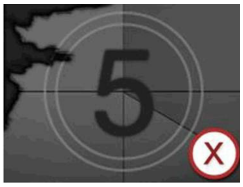
- Some files may be displayed the preview image by icon only.



- Non-supported files are displayed the preview image by icon only.



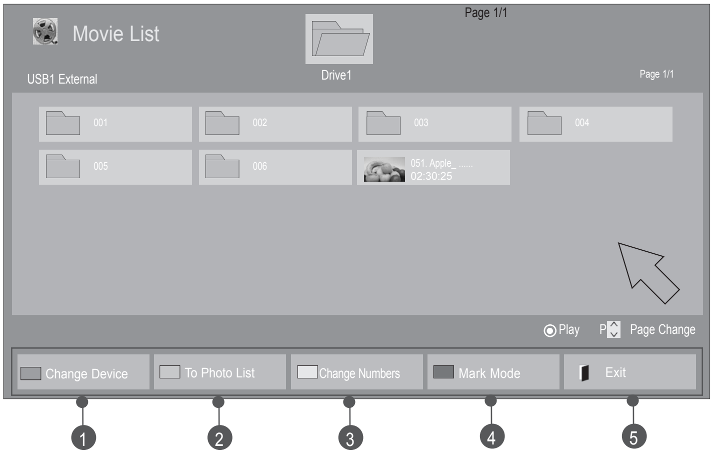
- Abnormal files are displayed in the form of bitmap.



TO USE A USB OR PC DEVICE

Movie Selection

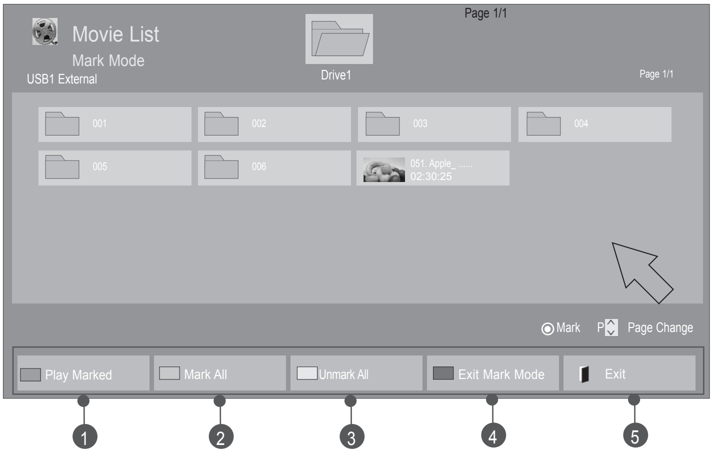
■ When playing movie files


Movie List
Page 1/1
Drive1
USB1 External
Page 1/1
001
002
003
004
005
006
051. Apple_......
02:30:25
Play
P Page Change
Change Device
To Photo List
Change Numbers
Mark Mode
Exit
1
2
3
4
5

1. Select the target folder or drive.
2. Select the desired movie title.
3. Movie files are played.

①	Change device.
②	Repeatedly to converted to **Photo List->Music List**.
③	A method to view in 5 large thumbnail or simple list.
④	Convert to **Mark Mode**.
⑤	Return to normal TV viewing.
►	Press the **PLAY(►)** button to return to normal playback.

■ When selected movie files are played


Page 1/1
Movie List
Mark Mode
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
051. Apple_ .....
02:30:25
Mark
P
Page Change
Play Marked
Mark All
Unmark All
Exit Mark Mode
Exit
1
2
3
4
5

1 Select the target folder or drive.

2 Select **Mark Mode**.

3 Select the desired movie title.

4 Select **Play Marked**.
Marked movie file is played.

- When one or more movie files are marked, the marked movies will be played in sequence.

①	Play the selected movie file. Once a movie file finishes playing, the next selected one will be played automatically.
②	Mark all movie files on the screen.
③	Deselect all marked movie files.
④	Exit the **Mark Mode**.
⑤	Return to normal TV viewing.

! NOTE

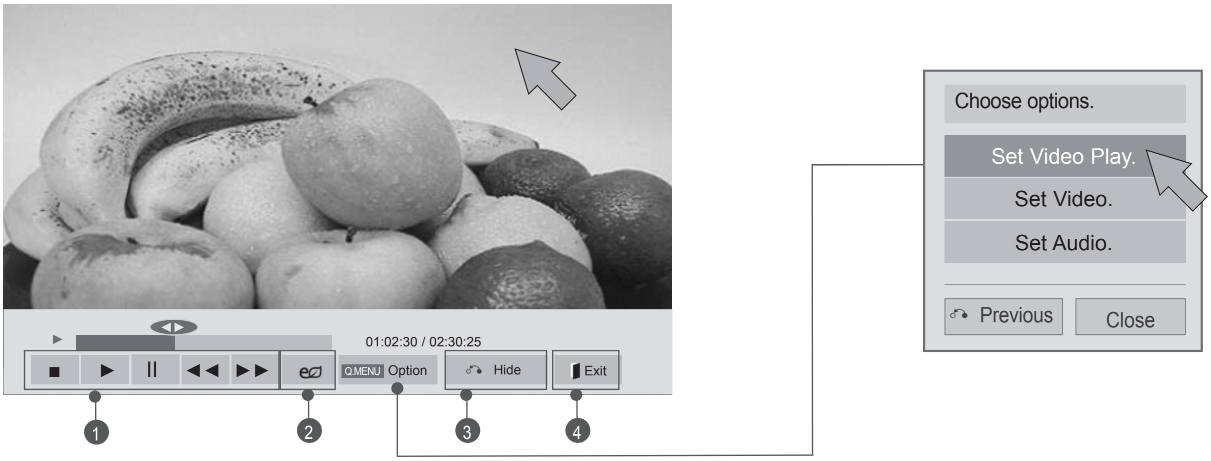
► In the case of files not supported, a message regarding non-supported file is displayed.

► If you select “Yes” from OSD when playing the same file after the movie file has been stopped, it will restart where it stopped previously.

► If continuous series files exist within the folder, the next file will automatically be played.
But, this excludes cases when the **Repeat** function of Movie List Option is turned “**On**” (Refer to p. 95) or when set as Marked Play.

TO USE A USB OR PC DEVICE

Using the Movie List function, play



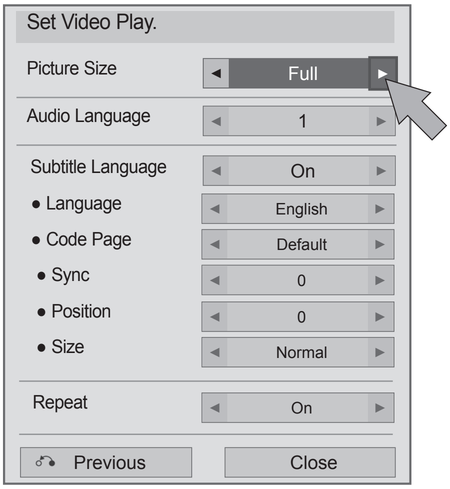
1. Show the **Option** menu.
2. Select **Set Video Play.**, **Set Video.** or **Set Audio.**.

1	(■) : Stop the playing movie file. (►) : Return to normal playback. (**II) :** During playback, select the **Pause(II)**. ■ Still screen is displayed. ■ If you do not select anything for 10 minutes after pausing, the TV returns to the playback state. ■ Select the **Pause(II)** and then use the **FF(►►)** for slow motion. (◄◄ / ►►) : When playing, repeatedly, select the **REW(◄◄)** to speed up ◄◄(x2) -> ◄◄◄(x4) -> ◄◄◄◄(x8) ->◄◄◄◄◄(x16) ->◄◄◄◄◄◄(x32) . repeatedly, select the **FF(►►)** to speed up ►►(x2)-> ►►►(x4) -> ►►►►(x8) ->►►►►►(x16) -> ►►►►►►(x32). ■ Selecting **REW(◄◄) / FF(►►)** repeatedly increases the fast forward/reverse speed.
2	Select the eØ repeatedly to change the brightness of your screen.(Refer to p. 126)
3	Hide the menu on the full-sized screen. ■ To see the menu again on the full-sized screen, press **OK** button to display.
4	Return to normal TV viewing.

NOTE

- ► Option values changed in **Movie List** does not affect **Photo List** and **Music List**.
- ► Option value changed in **Photo List** and **Music List** are changed likewise in **Photo List** and **Music List** excluding **Movie List**.
- ► When replaying the video file after stopping, you can play from where it stopped previously.

■ When you select the Set Video Play,



Set Video Play.

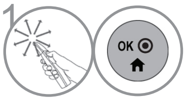
Picture Size ◄ Full ►

Audio Language ◄ 1 ►

Subtitle Language ◄ On ►

- Language ◄ English ►
- Code Page ◄ Default ►
- Sync ◄ 0 ►
- Position ◄ 0 ►
- Size ◄ Normal ►

Repeat ◄ On ►



Make appropriate adjustments.
Then, select **Close**.

Subtitle Language	Support Language
Latin1	English, Spanish, French, German, Italian, Swedish, Finnish, Dutch, Portuguese, Danish, Romanian, Norwegian, Albanian, Gaelic, Welsh, Irish, Catalan,Valencian
Latin2	Bosnian, Polish, Croatian, Czech, Slovak, Slovenian, Serbian, Hungarian
Latin4	Estonian, Latvian, Lithuanian
Cyrillic	Bulgarian, Macedonian, Russian, Ukrainian, Kazakh
Greek	Greek
Turkish	Turkish

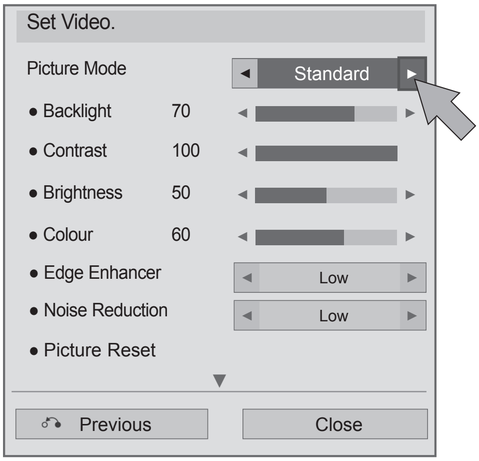
- ► **Picture Size** : Selects your desired picture format during movie play.
- ► **Audio Language** : Changes the Language Group of the audio during movie play. Files with a single audio track cannot be selected.
- ► **Subtitle Langugae :** Turn on/off the subtitle.
- ► **Language :** Activated for SMI subtitle and can select the language within the subtitle.
- ► **Code Page :** Can select the font for subtitle. When set to default, same font as general menu will be used.
- ► **Sync** : Adjusts the time synchronisation of the subtitle from -10 secs to +10 secs by steps of 0.5 secs during movie play.
- ► **Position** : Changes the position of the subtitle either up or down during movie play.
- ► **Size** : Selects your desired Subtitle size during movie play.
- ► **Repeat :** Turn on/off repeat function of movie playback. When turned on, the file within the folder will be played back repeatedly. Even when the repeated playback is turned off, it can run the playback if the file name is similar to the previous file.

! NOTE

► Only 10,000 of sync blocks can be supported within the subtitle file.

■ When you select the Set Video,

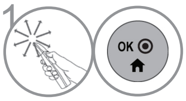
■ Image shown may differ from your TV.



Set Video.

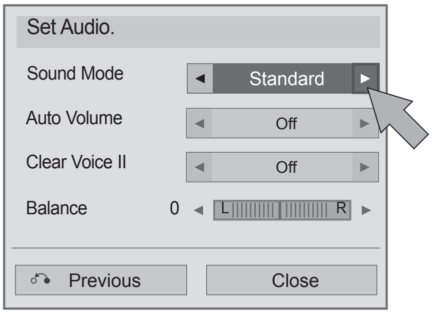
Picture Mode: Standard

- Backlight 70
- Contrast 100
- Brightness 50
- Colour 60
- Edge Enhancer: Low
- Noise Reduction: Low
- Picture Reset



Make appropriate adjustments.
Then, select **Close**.

■ When you select the Set Audio,



Set Audio.

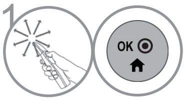
Sound Mode: Standard

Auto Volume: Off

Clear Voice II: Off

Balance: 0

L
R
Previous
Close



Make appropriate adjustments.
Then, select **Close**.

PHOTO LIST

You can view photo files on USB or PC storage device.
The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.
When you are watching the photo by the Photo List function, you can not change the picture mode.

PHOTO(*.JPEG) supporting file

Baseline : 64 x 64 to 15360 x 8640
Progressive : 64 x 64 to 1920 x 1440

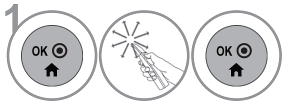
- You can play JPEG files only.
- Non-supported files are displayed in the form of predefined icon.
- An error message occurs for corrupted files or file formats that cannot be played.
- Corrupted image files may not be displayed properly.
- It may take some time to view high-resolution images in full screen.

Only 47/55LX9***

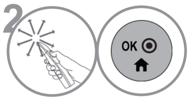
	File Extensions	Item	Profile
2D	jpeg jpg jpe	supproted file format	SOF0: baseline SOF1: Extend Sequential SOF2: Progressive
		photo size	Min: 64 x 64 Max - Normal Type: 15360 (W) x 8640 (H) Progressive Type: 1920 (W) x 1440 (H)
3D	mpo	supproted file format	mpo
		photo size	4:3 size: 3,648 x 2,736 2,592 x 1,944 2,048 x 1,536 3:2 size: 3,648 x 2,432

Screen Components

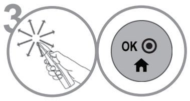
You can also adjust **USB** in the **INPUT** menu.

1 

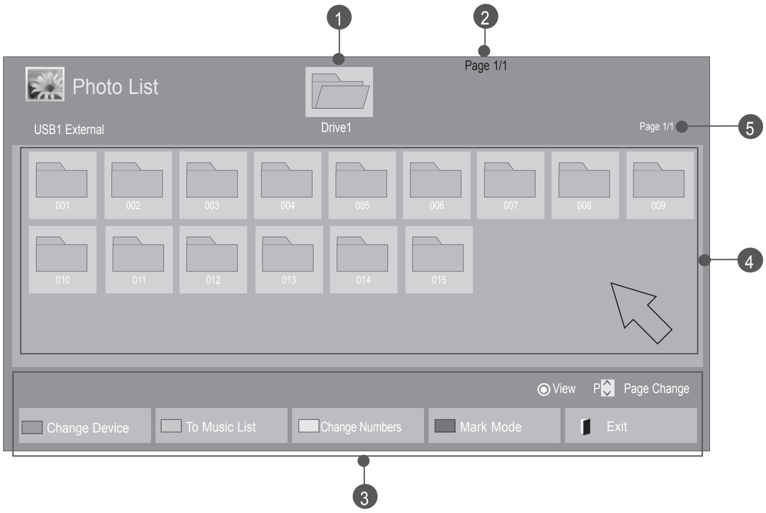
Select **Home Menu**.

2 

Select **MY MEDIA**.

3 

Select **Photo List.**


1
2
Page 1/1
Photo List
USB1 External
Drive1
Page 1/1
5
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
4
View
P
Page Change
Change Device
To Music List
Change Numbers
Mark Mode
Exit
3

❶ Moves to upper level folder
❷ Current page/Total pages
❸ Corresponding buttons on the remote control
❹ Contents under the folder focused on ❶
❺ Current page/ total pages of contents under the folder focused on ❶

■ When playing photo files

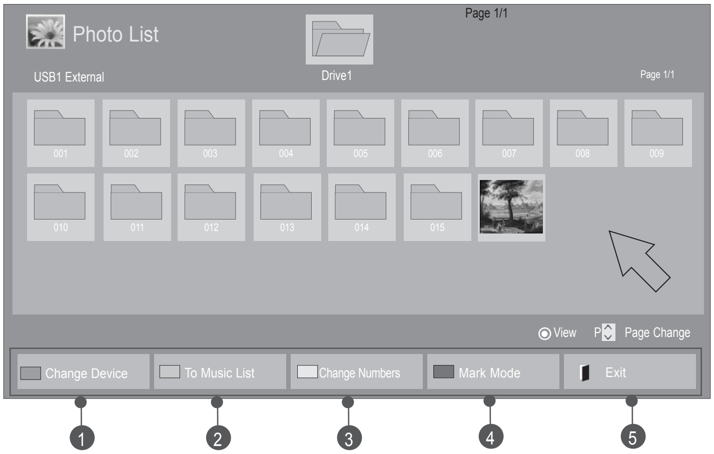


Photo List
Page 1/1
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
View
P
Page Change
Change Device
To Music List
Change Numbers
Mark Mode
Exit
1
2
3
4
5

1 Select the target folder or drive.

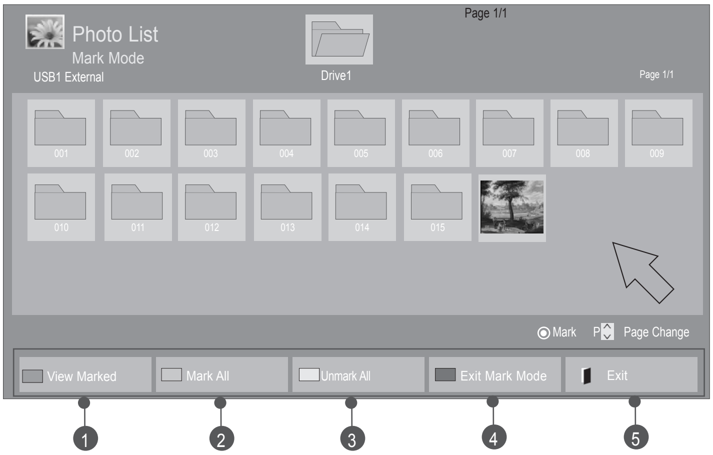
2 Select the desired photos.

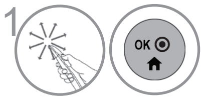
3 Photo files are displayed.

❶	Change device.
❷	Repeatedly to converted to **Music List->Movie List**.
❸	A method to view in 5 large thumbnail or simple list.
❹	Convert to **Mark Mode**.
❺	Return to normal TV viewing.

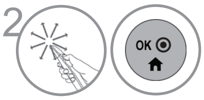
TO USE A USB OR PC DEVICE

■ When selected photo files are displayed

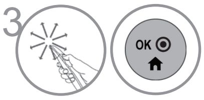

Page 1/1
Photo List
Mark Mode
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
Mark
P
Page Change
View Marked
Mark All
Unmark All
Exit Mark Mode
Exit
1
2
3
4
5



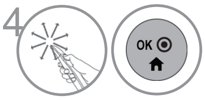
Select the target folder or drive.



Select **Mark Mode**.



Select the desired photo files.



Select **View Marked**.
Marked photo file is displayed.

- When one or more photos are marked, you can view each marked photo or a slide show of the marked photos. If no photos are marked, you can view every individual photo in the folder or a slide show of all photos in the folder.

1	Display the selected photo file.
2	Mark all photo files on the screen.
3	Deselect all marked photo files.
4	Exit the **Mark Mode**.
5	Return to normal TV viewing.

How to view photo

Detailed operations are available on full-sized photo view screen.

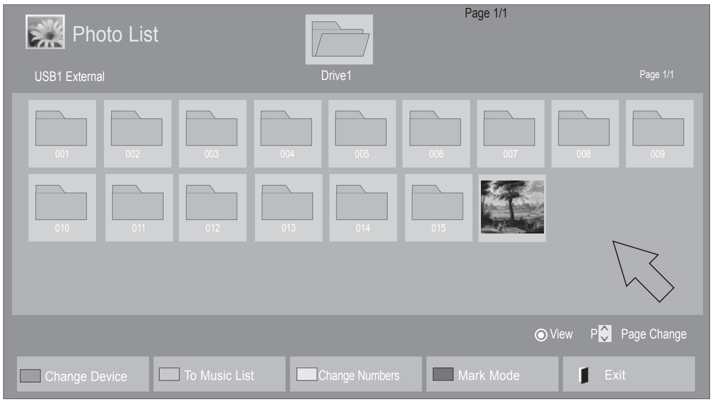
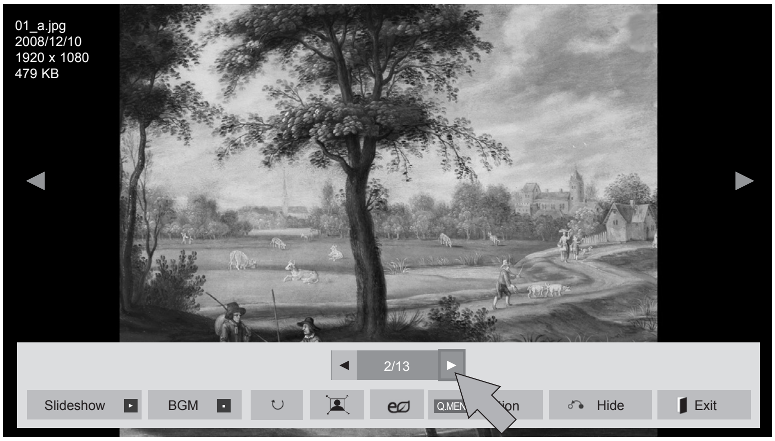


Photo List
Page 1/1
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
View
P Page Change
Change Device
To Music List
Change Numbers
Mark Mode
Exit

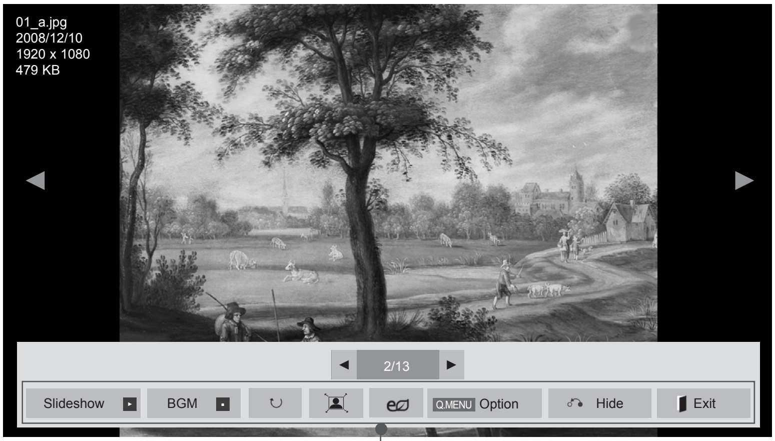

01_a.jpg
2008/12/10
1920 x 1080
479 KB
2/13
Slideshow
BGM
Q.MENU
Hide
Exit

The aspect ratio of a photo may change the size of the photo displayed on the screen in full size.

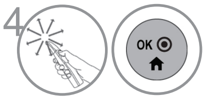
1 Select the target folder or drive.

2 Select the desired photos.

3 The selected photo is displayed in full size.



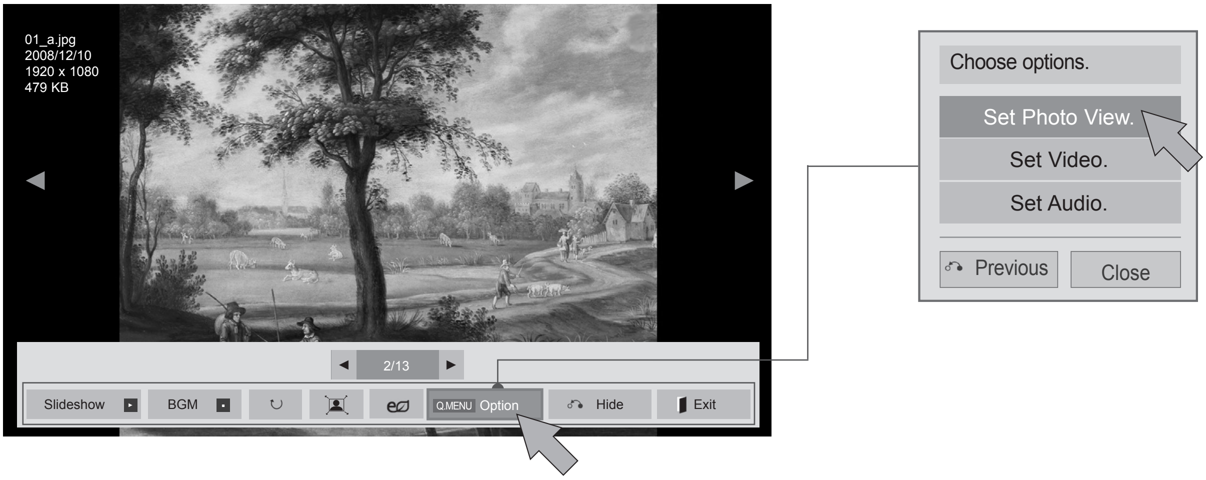
4



Select the **Slideshow**, **BGM**, **↻ (Rotate)**, **▣/▣**, **e∅**, **Option, Hide** or **Exit**.

- ▶ **Slideshow** : When no picture is selected, all photos in the current folder are displayed during slide show. If some photos are selected, those photos are displayed in a slide show.
  - ■ Set the time interval of the slide show in **Option**.
- ▶ **BGM** (Background Music) : Listen to music while viewing photos in full size.
  - ■ Set the BGM device and album in Options before using this function.
  - ■ You can adjust **Option** by **Q.MENU** or **MENU** button on the remote control.
- ▶ **↻ (Rotate)** : Rotate photos.
  - ■ Rotates the photo 90°, 180°, 270°, 360° clockwise.
  - ■ It can not be rotate when the width of a picture is bigger than supported height.
- ▶ **▣/▣** : You can view the photo in Full or Original mode.
- ▶ **e∅** : Select the **e∅** repeatedly to change the brightness of your screen. (Refer to p. 126)
- ▶ **Option** : Set values for **Slide Speed** and **BGM**.
  - ■ You cannot change **BGM** while BGM is playing.
  - ■ You can only select the MP3 folder saved on the device that currently displays the photo.
- ▶ **Hide** : Hide the menu on the full-sized screen.
  - ■ To see the menu again on the full-sized screen, press **OK** button to display.
- ▶ **Exit** : Go back to **Photo List.**

Using the Photo List function


01_a.jpg
2008/12/10
1920 x 1080
479 KB
2/13
Slideshow
BGM
Q.MENU Option
Hide
Exit
Choose options.
Set Photo View.
Set Video.
Set Audio.
Previous
Close

1 Show the **Option** menu.

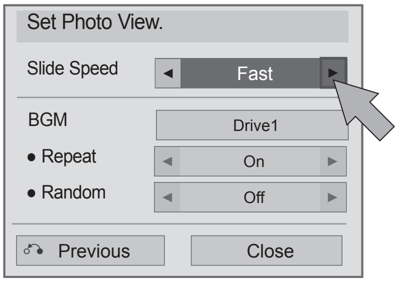
2 Select **Set Photo View.**, **Set Video.** or **Set Audio.**.

NOTE

- ▶ Option values changed in **Movie List** does not affect **Photo List** and **Music List**.
- ▶ Option value changed in **Photo List** and **Music List** are changed likewise in **Photo List** and **Music List** excluding **Movie List**.

TO USE A USB OR PC DEVICE

■ When you select the Set Photo View,

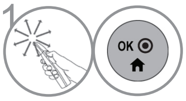


Set Photo View.

Slide Speed ◄ Fast ►

BGM Drive1

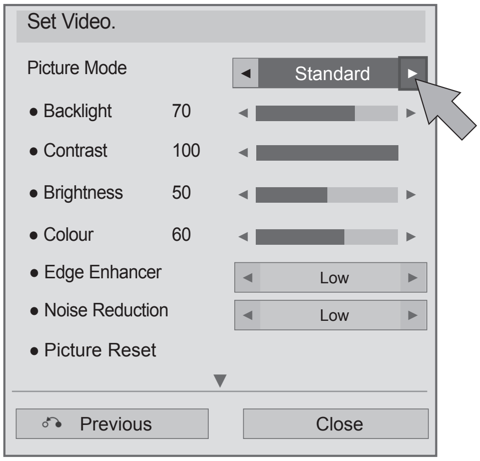
- Repeat ◄ On ►
- Random ◄ Off ►



Make appropriate adjustments.
Then, select **Close**.

■ When you select the Set Video,

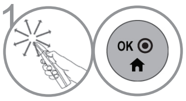
■ Image shown may differ from your TV.



Set Video.

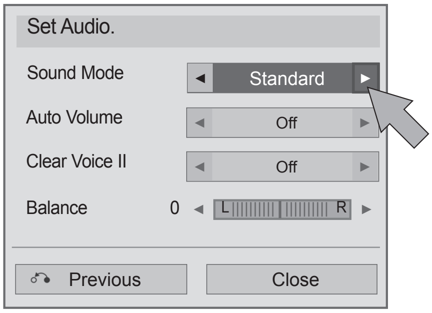
Picture Mode ◄ Standard ►

- Backlight 70
- Contrast 100
- Brightness 50
- Colour 60
- Edge Enhancer ◄ Low ►
- Noise Reduction ◄ Low ►
- Picture Reset



Make appropriate adjustments.
Then, select **Close**.

■ When you select the Set Audio,



Set Audio.

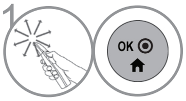
Sound Mode: Standard

Auto Volume: Off

Clear Voice II: Off

Balance: 0

L
R
Previous
Close



Make appropriate adjustments.
Then, select **Close**.

TO USE A USB OR PC DEVICE

MUSIC LIST

You can play music files on USB or PC storage device.

Purchased music files(*.MP3) may contain copyright restrictions. Playback of these files may not be supported by this model.

Music file on your USB device can be played by this unit.

The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

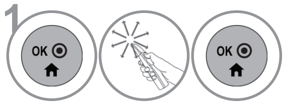
MUSIC (*.MP3) supporting file

Bit rate 32 to 320

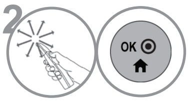
- Sampling rate MPEG1 Layer3 : 32 kHz, 44.1 kHz, 48 kHz
- Sampling rate MPEG2 Layer3 : 16 kHz, 22.05 kHz, 24 kHz

Screen Components

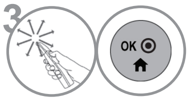
You can also adjust **USB** in the **INPUT** menu.



Select **Home Menu**.



Select **MY MEDIA**.



Select **Music List.**

❶ Preview: If any album jacket for the file(Album Art Image) exists, this jacket is displayed.

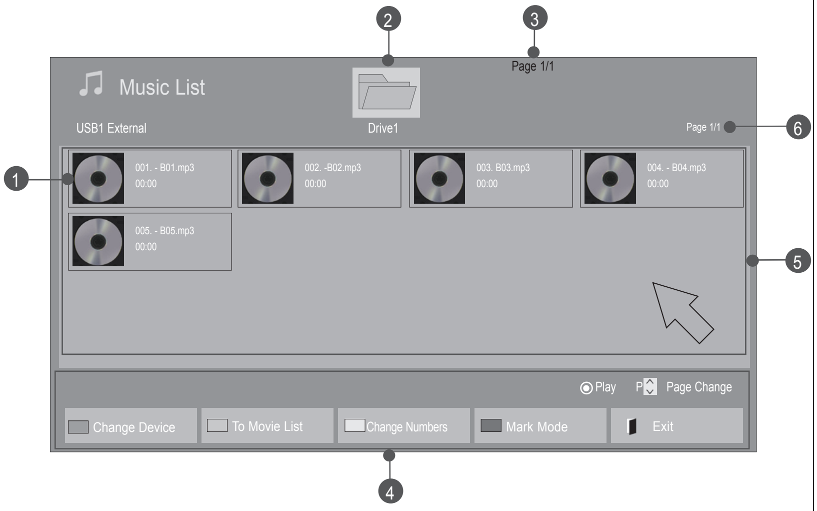
❷ Moves to upper level folder

❸ Current page/Total pages

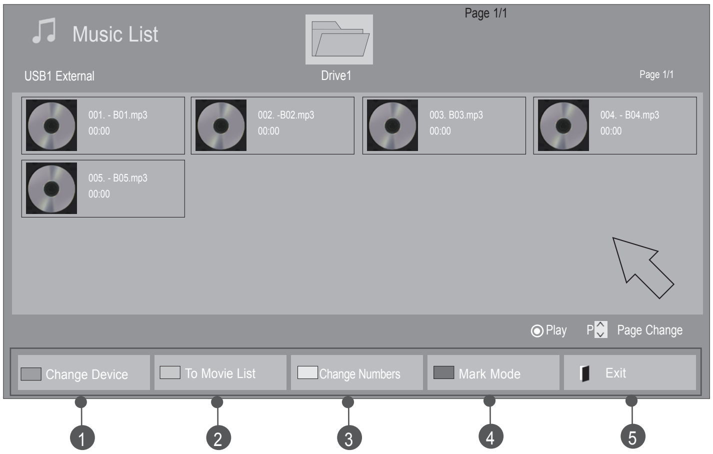
❹ Corresponding buttons on the remote control

❺ Contents under the folder focused on ❷

❻ Current page/ total pages of contents under the folder focused on ❷


1
2
3
4
5
6
Music List
Page 1/1
USB1 External
Drive1
Page 1/1
001. - B01.mp3
00:00
002. -B02.mp3
00:00
003. B03.mp3
00:00
004. - B04.mp3
00:00
005. - B05.mp3
00:00
Play
P
Page Change
Change Device
To Movie List
Change Numbers
Mark Mode
Exit

Music Selection


Music List
Page 1/1
USB1 External
Drive1
Page 1/1
001. - B01.mp3
00:00
002. -B02.mp3
00:00
003. B03.mp3
00:00
004. - B04.mp3
00:00
005. - B05.mp3
00:00
Play
P
Page Change
Change Device
To Movie List
Change Numbers
Mark Mode
Exit
1
2
3
4
5

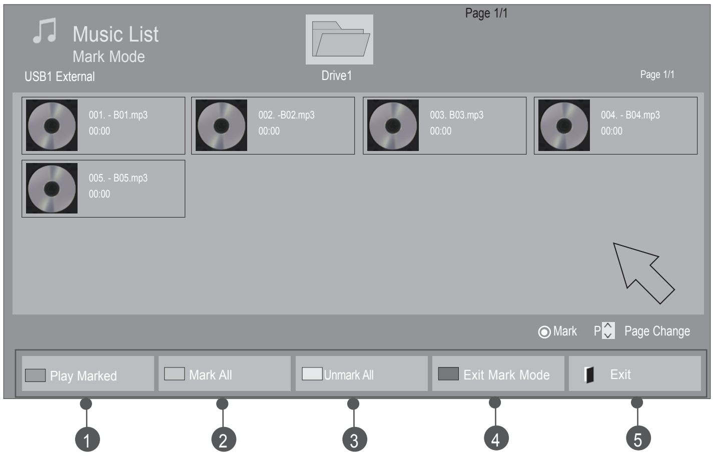
■ When playing music files

1. OK Select the target folder or drive.
2. OK Select the desired music title.
3. OK Music files are played.

①	Change device.
②	Repeatedly to converted to **Movie List->Photo List**.
③	A method to view in 5 large thumbnail or simple list.
④	Convert to **Mark Mode**.
⑤	Return to normal TV viewing.

TO USE A USB OR PC DEVICE

■ When selected music files are played

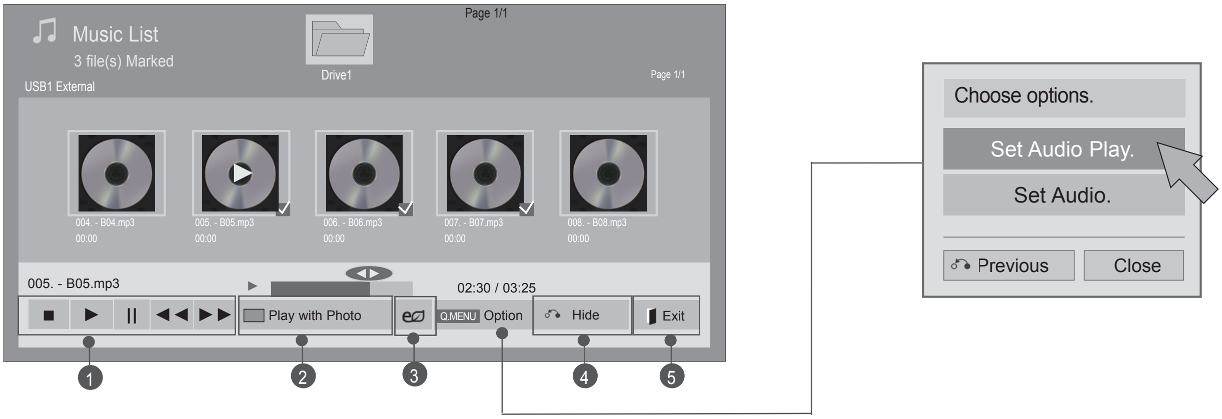

Music List
Mark Mode
Page 1/1
USB1 External
Drive1
Page 1/1
001. - B01.mp3
00:00
002. -B02.mp3
00:00
003. B03.mp3
00:00
004. - B04.mp3
00:00
005. - B05.mp3
00:00
Mark
P
Page Change
Play Marked
Mark All
Unmark All
Exit Mark Mode
Exit
1
2
3
4
5

1. Select the target folder or drive.
2. Select **Mark Mode**.
3. Select the desired music title.
4. Select **Play Marked**.
   Marked music file is played.

- When one or more music files are marked, the marked music title will be played in sequence. For example, if you want to listen to only one music repeatedly, just mark the music only and play it. If no music is marked, all the music in the folder will be played in sequence.
- If you want to activate Random playback, you must set **Option->Set audio play.->Random** to **On**.

1	Display the selected music file.
2	Mark all music files on the screen.
3	Deselect all marked music files.
4	Exit the **Mark Mode**.
5	Return to normal TV viewing.

Using the Music List function, play


Music List
3 file(s) Marked
USB1 External
Drive1
Page 1/1
Page 1/1
004. - B04.mp3
00:00
005. - B05.mp3
00:00
006. - B06.mp3
00:00
007. - B07.mp3
00:00
008. - B08.mp3
00:00
005. - B05.mp3
02:30 / 03:25
Play with Photo
Q.MENU Option
Hide
Exit
1
2
3
4
5
Choose options.
Set Audio Play.
Set Audio.
Previous
Close

1 Show the **Option** menu.

2 Select **Set Audio Play.** or **Set Audio.**

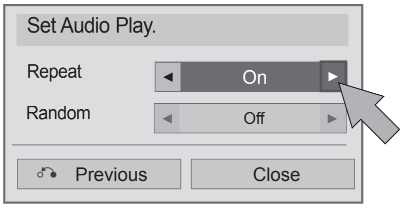
①	(■) : Stop the playing music file.
	(►) : Return to normal playback.
	(**II**) : When you select the **II** while playing the file, the playback will be paused. When you select the **II** again while the playback is paused, it will resume the playback.
	(◄◄ / ►►) : When playing, When you select the ◄◄, the previous music file will be played. When you select the ►►, the next music file will be played.
②	Start playing the selected music files and then move to the **Photo List**.
③	Select the eⱭ repeatedly to change the brightness of your screen.(Refer to p. 126) Only Off/Screen Off operates from the Movie List, Photo List, Music List.
④	■ When you select the **Hide** while the music is playing, the music player currently playing will be hidden and only the music list will be displayed.
⑤	■ When you select the **Exit** while the Music player is displayed, only the music will be stopped and the player will not return to normal TV viewing. ■ When you select the **Exit** while the music is stopped or while the music player is hidden, the player will return to normal TV viewing.

NOTE

- ► Option values changed in Movie List does not affect Photo List and Music List.
- ► Option value changed in Photo List and Music List are changed likewise in Photo List and Music List excluding Movie List.
- ► You can listen to the music only within the device currently played.

TO USE A USB OR PC DEVICE

■ When you select the Set Audio Play,



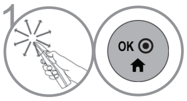
Set Audio Play.

Repeat: On

Random: Off

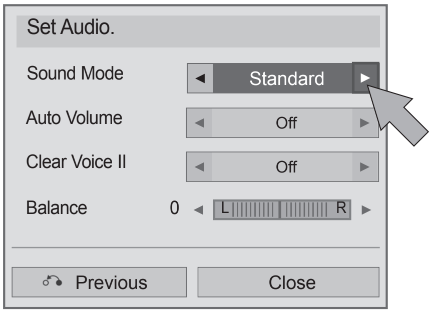
◄ ►
Previous
Close

1



Make appropriate adjustments.
Then, select **Close**.

■ When you select the Set Audio,



Set Audio.

Sound Mode: Standard

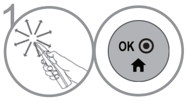
Auto Volume: Off

Clear Voice II: Off

Balance: 0 L R

◄ ►
Previous
Close

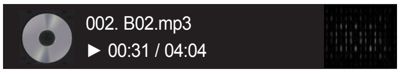
1



Make appropriate adjustments.
Then, select **Close**.

- If you don't press any button for a while during the playing, the play information box (as shown in the below) will float as a screen saver.
- The ‘Screen Saver’?

  Screen saver is to prevent screen pixel damage due to an fixed image remaining on the screen for a extended period of time.


002. B02.mp3
► 00:31 / 04:04

NOTE

► A damaged or corrupted music does not play but displays 00:00 in playtime.

► A music downloaded from a paid service with copyright protection does not start but displays inappropriate information in playtime.

► If you press OK, ■ buttons, screen saver is stopped.

► The PLAY(►), Pause(II), ■ , ►►, ◄◄ buttons on the remote control are also available in this mode.

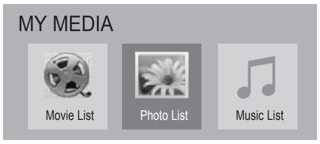
► You can use the ►► button to select the next music and the ◄◄ button to select the previous music.

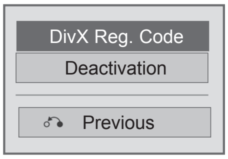
TO USE A USB OR PC DEVICE

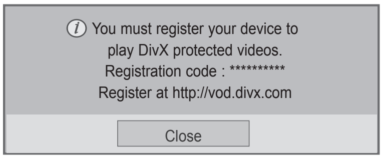
DIVX REGISTRATION CODE

Confirm the DivX registration code number of the TV. Using the registration number, movies can be rented or purchased at www.divx.com/vod.

With a DivX registration code from other TV, playback of rented or purchased DivX file is not allowed. (Only DivX files matched with the registration code of the purchased TV are playable.)






You must register your device to play DivX protected videos.
Registration code : **********
Register at http://vod.divx.com

1 Select **MY MEDIA**.

2 Select **DivX Reg. Code**.

3 Display DivX Reg. Code.

- Press the **MENU/EXIT** button to return to normal TV viewing.

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX,Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.

“DivX Certified to play DivX video up to HD 1080p, including premium content”

“Pat. 7,295,673; 7,460,688;7,519,274”

NOTE

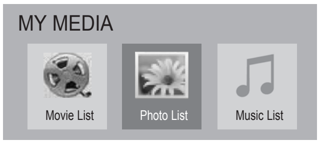
► Movie files are supported as follows
Resolution : under 1920x1080 WxH pixels
Frame rate : under 30 frames/sec(1920x1080), under 60 frames/sec(under 1280x720)

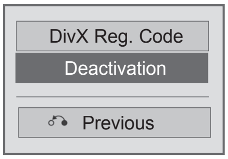
► Video Codec : MPEG 1, MPEG 2, MPEG 4, H.264/AVC, DivX 3.11, DivX 4.12, DivX 5.x, DivX 6, Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1, Xvid 1.10-beta2, JPEG, VC1, Sorenson H.263/H.264

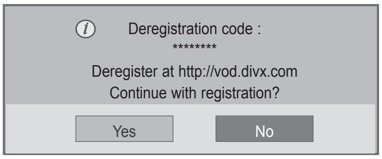
► The DRM/*.tp /*.trp file in DLNA server is not played when Movie List is in operation.

DEACTIVATION

The purpose of deactivation is to allow deactivation of devices for users who have activated all the available devices through the web_server and are blocked from activating more devices. DivX VOD allowed the consumer to activate up to 6 devices under one account, but to replace or deactivate any of those devices, the consumer had to contact DivX Support and request deletion. Now with this added feature, consumers will be able to deactivate the device themselves and hence better manage their DivX VOD devices.






Deregistration code :
****
Deregister at http://vod.divx.com
Continue with registration?

---

1. MENU — Select **MY MEDIA**.
2. OK — BLUE — Select **Deactivation**.
3. OK — Select **Yes**.
4. OK — Display **Deactivation**.

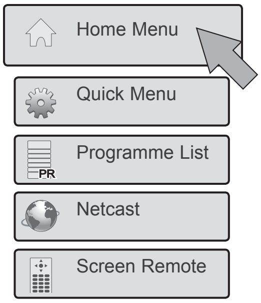
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

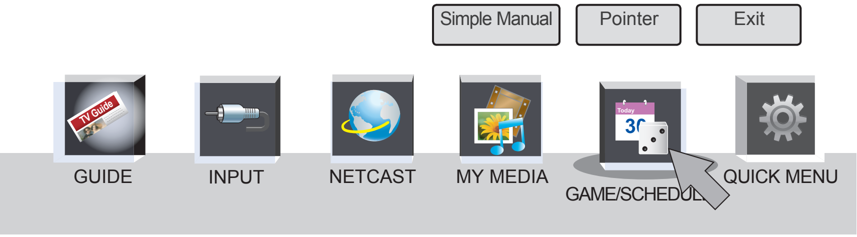
GAME/SCHEDULE

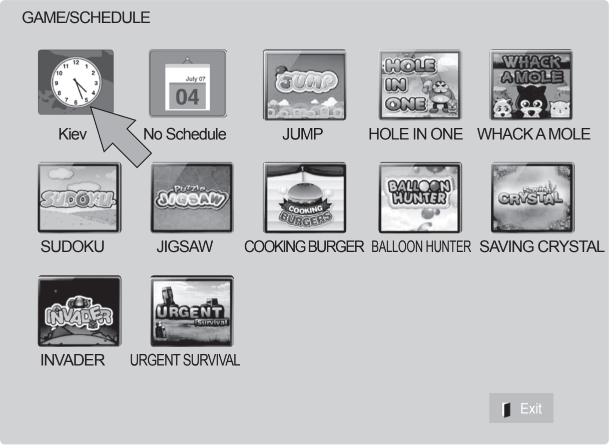
GAME/SCHEDULE

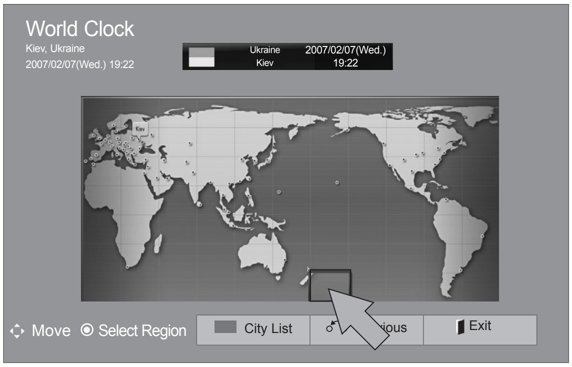
World Time

This function operates only if the current time has been set.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote


Simple Manual
Pointer
Exit
TV Guide
GUIDE
INPUT
NETCAST
MY MEDIA
Today
30
GAME/SCHEDULE
QUICK MENU


GAME/SCHEDULE
Kiev
July 07
04
No Schedule
JUMP
HOLE IN ONE
WHACK A MOLE
SUDOKU
JIGSAW
COOKING BURGER
BALLOON HUNTER
SAVING CRYSTAL
INVADER
URGENT SURVIVAL
Exit


World Clock
Kiev, Ukraine
2007/02/07(Wed.) 19:22
Ukraine
Kiev
2007/02/07(Wed.)
19:22
Kiev
Move
Select Region
City List
ious
Exit

- The day light saving is not shown at the world clock.

1 Select **Home Menu**.

2 Select **GAME/SCHEDULE**.

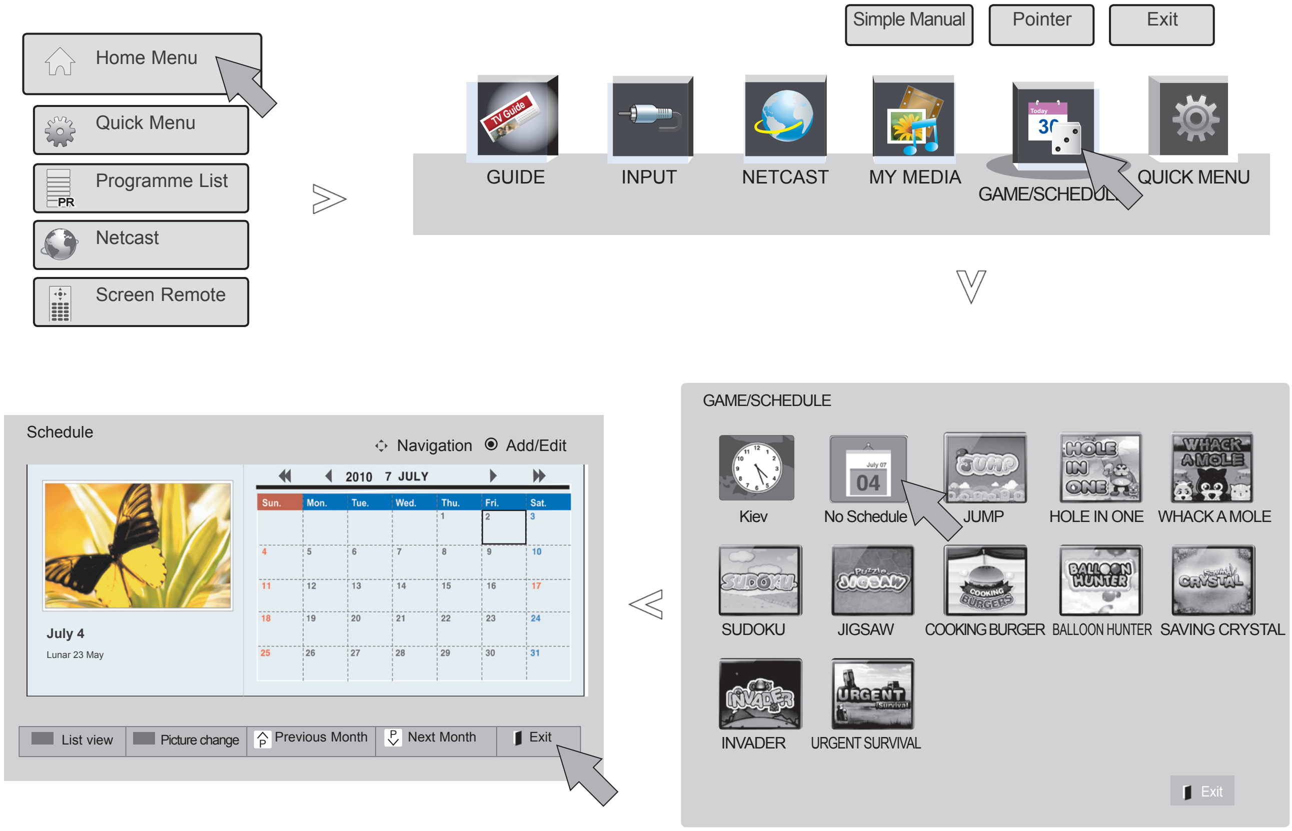
3 Select **World Clock**.

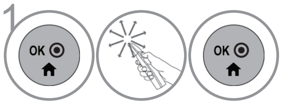
4 Select a desired city.
You can check the world clock.

5 Select **Exit**.

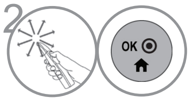
Schedule

This function operates only if the current time has been set.

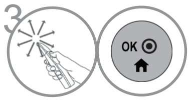

Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote
Simple Manual
Pointer
Exit
GUIDE
INPUT
NETCAST
MY MEDIA
GAME/SCHEDULE
QUICK MENU
GAME/SCHEDULE
Kiev
No Schedule
JUMP
HOLE IN ONE
WHACK A MOLE
SUDOKU
JIGSAW
COOKING BURGER
BALLOON HUNTER
SAVING CRYSTAL
INVADER
URGENT SURVIVAL
Exit
Schedule
Navigation
Add/Edit
2010 7 JULY
Sun. Mon. Tue. Wed. Thu. Fri. Sat.
July 4
Lunar 23 May
List view
Picture change
Previous Month
Next Month
Exit

1


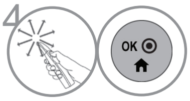
Select **Home Menu**.

2


Select **GAME/SCHEDULE**.

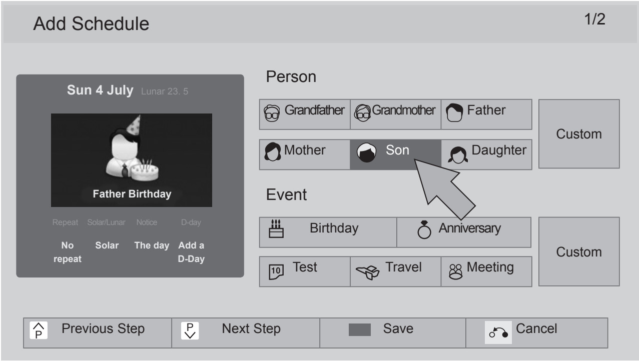
3


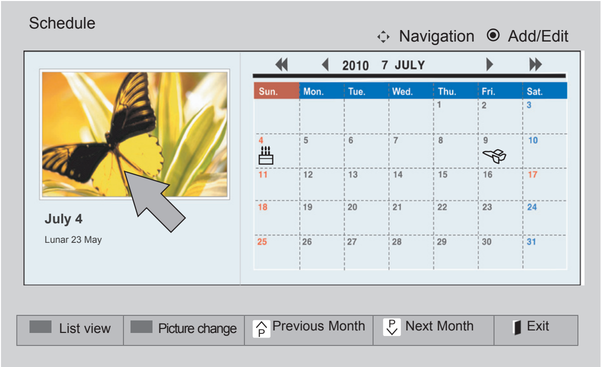
Select **Schedule**.

4


Select a desired date.
You can check the schedule.

Schedule Registration


Add Schedule
1/2
Sun 4 July
Lunar 23. 5
Father Birthday
Repeat
Solar/Lunar
Notice
D-day
No repeat
Solar
The day
Add a D-Day
Person
Grandfather
Grandmother
Father
Custom
Mother
Son
Daughter
Event
Birthday
Anniversary
Custom
Test
Travel
Meeting
Previous Step
Next Step
Save
Cancel


Schedule
Navigation
Add/Edit
2010 7 JULY
Sun.
Mon.
Tue.
Wed.
Thu.
Fri.
Sat.
July 4
Lunar 23 May
List view
Picture change
Previous Month
Next Month
Exit

5 Select the desired menu option.

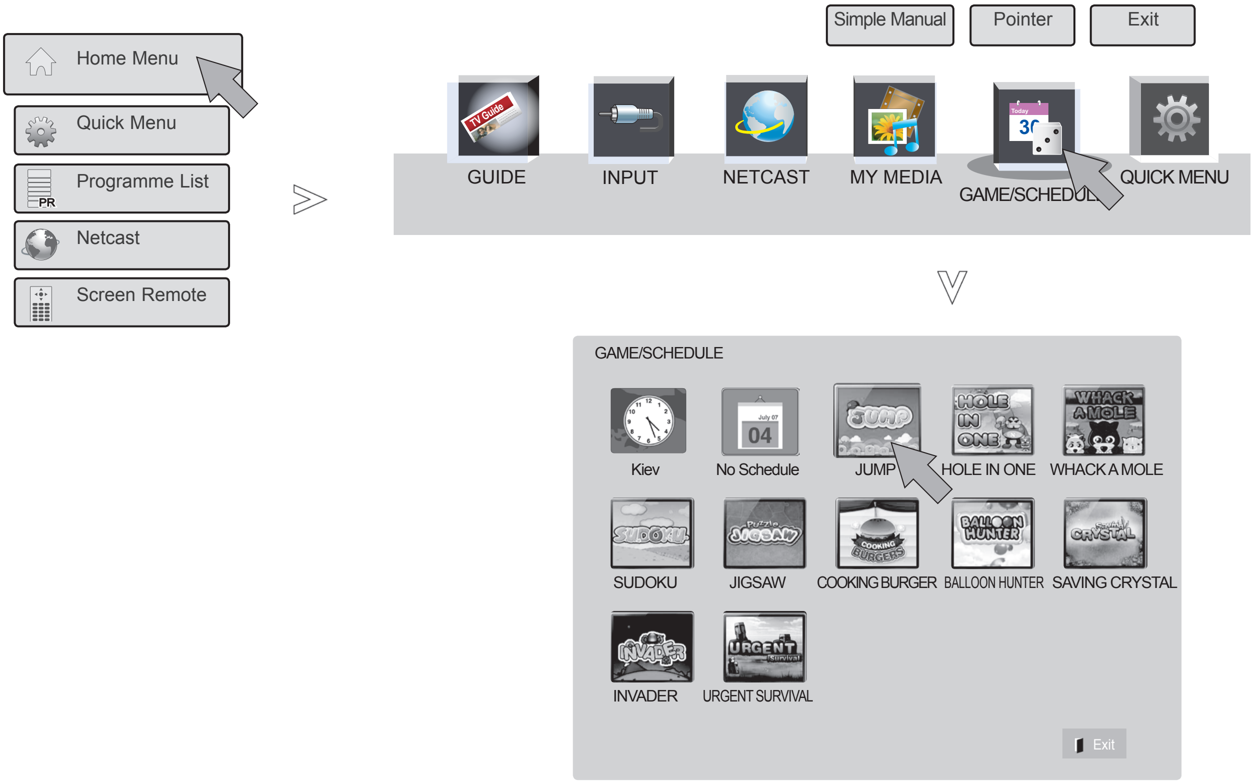
6 The icon is displayed.

7 Select **List View** to use schedule.

8 Select **Exit**.

Game

Allows you to enjoy the games installed on the TV.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote
Simple Manual
Pointer
Exit
GUIDE
INPUT
NETCAST
MY MEDIA
GAME/SCHEDULE
QUICK MENU
GAME/SCHEDULE
Kiev
No Schedule
JUMP
HOLE IN ONE
WHACK A MOLE
SUDOKU
JIGSAW
COOKING BURGER
BALLOON HUNTER
SAVING CRYSTAL
INVADER
URGENT SURVIVAL
Exit

1 Select **Home Menu**.

2 Select **GAME/SCHEDULE**.

3 Enter the selected game mode.

4 Select **Exit**.

EPG(ELECTRONIC PROGRAMME GUIDE) (IN DIGITAL MODE)

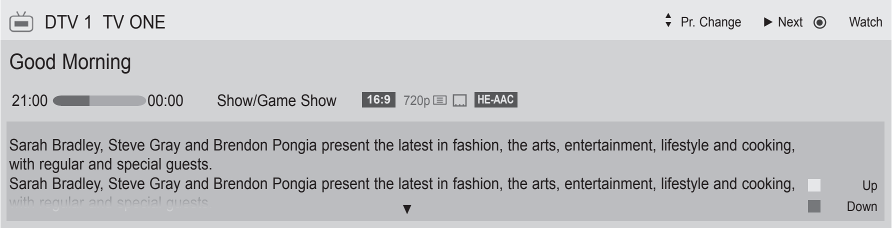
This system has an Electronic Programme Guide (EPG) to help your navigation through all the possible viewing options.

The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

This function can be used only when the EPG information is broadcast by broadcasting companies.

You must set the Clock in the **Time** menu, before using EPG function.

The EPG displays the programme details for 8 days.



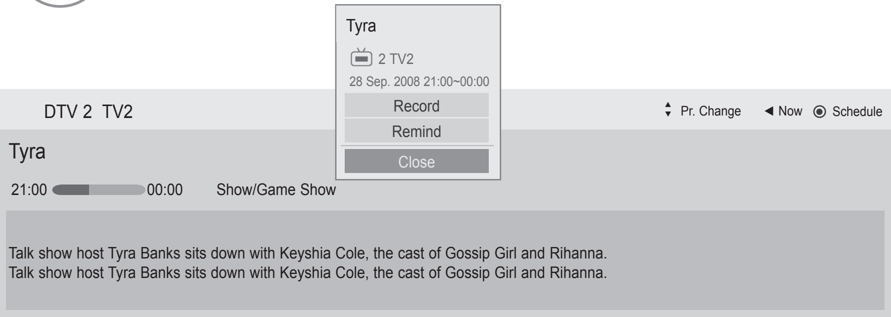
Sarah Bradley, Steve Gray and Brendon Pongia present the latest in fashion, the arts, entertainment, lifestyle and cooking, with regular and special guests.
Sarah Bradley, Steve Gray and Brendon Pongia present the latest in fashion, the arts, entertainment, lifestyle and cooking, with regular and special guests.

INFO Shows current programme information

📺	Displayed with a TV or DTV Programme.	☰	Displayed with a Teletext Programme.
📻	Displayed with a Radio Programme.	...	Displayed with a Subtitle Programme.
MHEG	Displayed with a MHEG Programme.	▚	Displayed with a Scramble Programme.
HE-AAC	Displayed with a HE-AAC Programme.	ꟷD	Displayed with a Dolby Digital Programme.
4:3	Aspect ratio of broadcasting programme.	D+	Displayed with a Dolby Digital Plus Programme.
16:9	Aspect ratio of broadcasting programme.		576i/p, 720p, 1080i/p : Resolution of broadcasting programme
🖥✕	Broadcasted programme with the icon may not be displayed in Monitor Out depending on the information of the programme.		
APP	Displayed with a MHP Programme.		

Shows next programme information.

Shows other programme information.

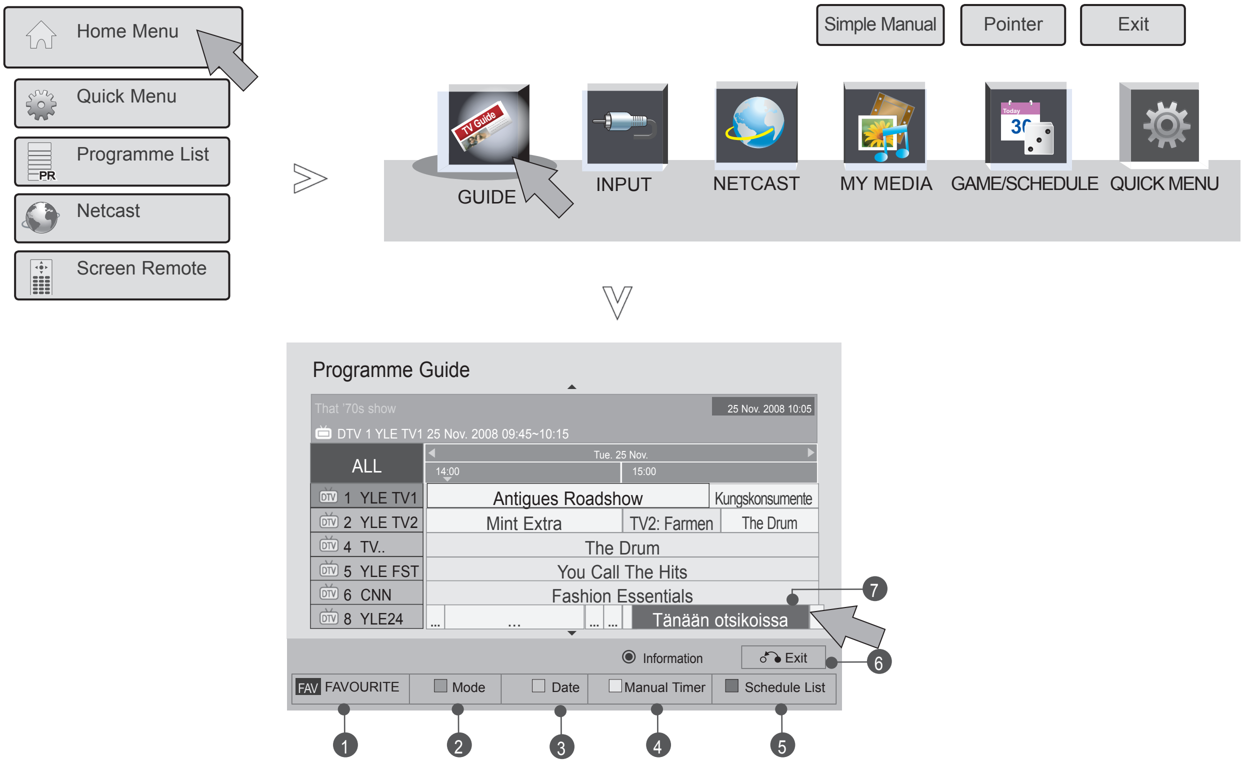


Talk show host Tyra Banks sits down with Keyshia Cole, the cast of Gossip Girl and Rihanna.
Talk show host Tyra Banks sits down with Keyshia Cole, the cast of Gossip Girl and Rihanna.

OK A pop-up window for record/remind settings appear.

Select Timer Record/Remind setting mode.

EPG(ELECTRONIC PROGRAMME GUIDE)



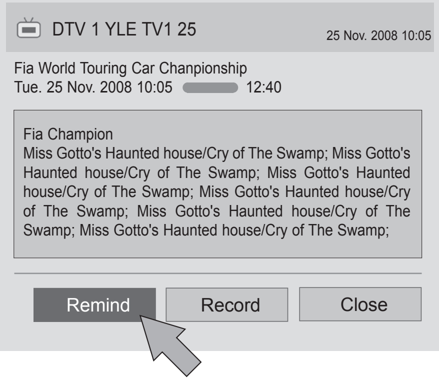
Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote
Simple Manual
Pointer
Exit
GUIDE
INPUT
NETCAST
MY MEDIA
GAME/SCHEDULE
QUICK MENU
Programme Guide
That '70s show
25 Nov. 2008 10:05
DTV 1 YLE TV1 25 Nov. 2008 09:45~10:15
ALL
Tue. 25 Nov.
14:00
15:00
DTV 1 YLE TV1
Antigues Roadshow
Kungskonsumente
DTV 2 YLE TV2
Mint Extra
TV2: Farmen
The Drum
DTV 4 TV..
The Drum
DTV 5 YLE FST
You Call The Hits
DTV 6 CNN
Fashion Essentials
DTV 8 YLE24
Tänään otsikoissa
Information
Exit
FAV FAVOURITE
Mode
Date
Manual Timer
Schedule List
1
2
3
4
5
6
7

1. Select **Home Menu**.
2. Select **GUIDE**.
3. Select the desired programme.

❶ **FAVOURITE** : Change FAVOURITE mode.
❷ **Mode** : Change EPG mode.
❸ **Date** : Enter Date setting mode.
❹ **Manual Timer** : Enter Manual Timer mode.
❺ **Schedule List** : Enter Schedule List mode.
❻ **Exit** : Switch off EPG.
❼ Select desired programme.

EPG (ELECTRONIC PROGRAMME GUIDE)

EXTENDED DESCRIPTION



DTV 1 YLE TV1 25

25 Nov. 2008 10:05

Fia World Touring Car Chanpionship

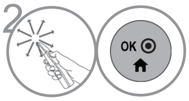
Tue. 25 Nov. 2008 10:05 12:40

Fia Champion

Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp;

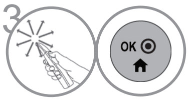
1 Repeat step 1-2 on P.119.

2



Select the desired programme.

3



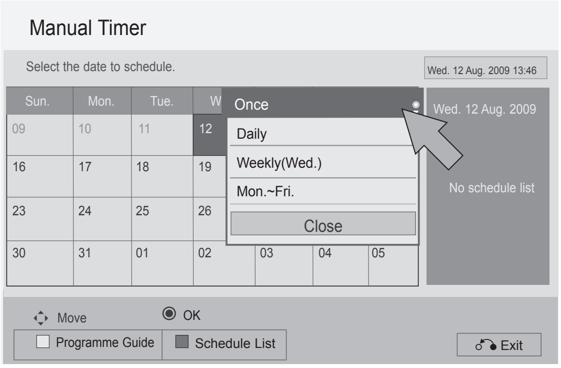
Select **Remind** or **Record**.

MANUAL TIMER

Sets a start or end time, programme for recording, and sets a start time, programme for the reminder with the end time grayed out.

This function is available only when recording equipment that use pin8 recording signalling has been connected to the TV-OUT(AV1) terminal, using a SCART cable.

Recording function is only supported in the Digital mode and not in the Analogue mode.


Manual Timer
Select the date to schedule.
Wed. 12 Aug. 2009 13:46
Sun.
Mon.
Tue.
W
09
10
11
12
16
17
18
19
23
24
25
26
30
31
01
02
03
04
05
Once
Daily
Weekly(Wed.)
Mon.~Fri.
Close
Wed. 12 Aug. 2009
No schedule list
Move
OK
Programme Guide
Schedule List
Exit

---

1 Repeat step 1-2 on P.119.

2 Select **Manual Timer**.

3 Please select the date to schedule.

4 Please select the repeat option to schedule.

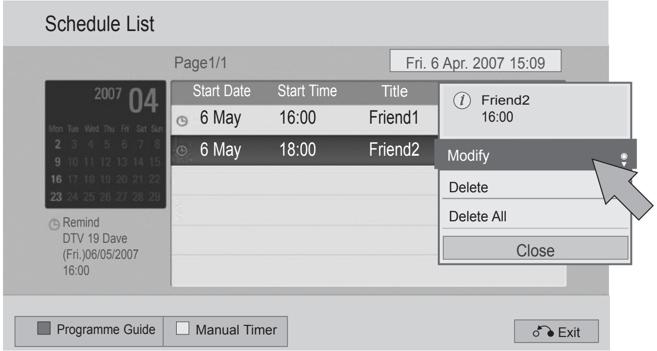
5 Select Type, Start Time, End time or Programme.

6 Select **Exit**.

SCHEDULE LIST

If you’ve created a schedule list, a scheduled programme is displayed at the scheduled time even when you are watching a different programme at the time.

Currently recording item cannot be edited or deleted.



Schedule List

Page1/1

Fri. 6 Apr. 2007 15:09

Start Date	Start Time	Title
6 May	16:00	Friend1
6 May	18:00	Friend2

Remind
DTV 19 Dave
(Fri.)06/05/2007
16:00

Friend2
16:00

2007 04
Modify
Delete
Delete All
Close
Programme Guide
Manual Timer
Exit

1 Repeat step 1-2 on P.119.

2 Select **Schedule List**.

3 Please select the Schedule List to modify.

4 Please select the desired feature.

5 Select **Exit**.

PICTURE CONTROL

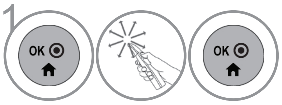
PICTURE SIZE (ASPECT RATIO) CONTROL

You can watch the screen in various picture formats; 16:9, Just Scan, Original, Full Wide, 4:3, 14:9, Zoom and Cinema Zoom.

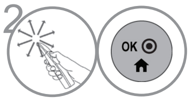
If a fixed image is displayed on the screen for a long time, that fixed image may become imprinted on the screen and remain visible.

You can adjust the enlarge proportion using ∧ ∨ button.

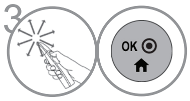
This function works in the following signal.



1 Select **Quick Menu**.



2 Select **Aspect Ratio**.

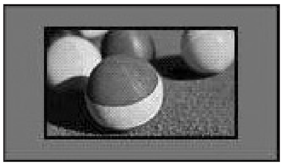


3 Select the desired picture format.

- You can also adjust **Aspect Ratio** in the **PICTURE** menu.
- For Zoom Setting, select **14:9**, **Zoom** and **Cinema Zoom** in Ratio Menu. After completing Zoom Setting, the display goes back to Q.Menu.

- **16:9**

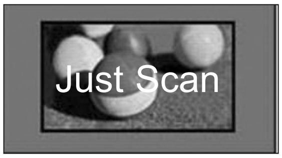
  The following selection will allow you to adjust the picture horizontally, in linear proportion, to fill the entire screen(useful for viewing 4:3 formatted DVDs).



- **Just Scan**

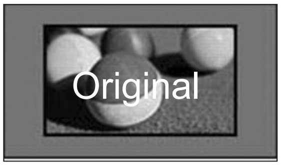
  Following Selection will lead to you view the picture of best quality without loss of original picture in high resolution image.

  Note : If there is noise in original Picture, You can see the noise at the edge.



- **Original**

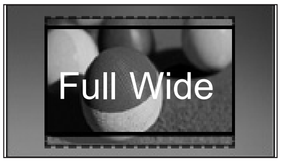
  When your TV receives a wide screen signal it will automatically change to the picture format broadcast.



- **Full Wide**

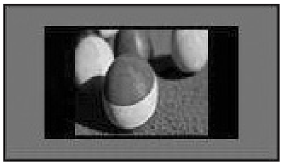
  When TV receives the wide screen signal,it will lead you to adjust the picture horizontally or vertically, in a linear proportion,to fill the entire screen fully.

  4:3 and 14:9 video is supported in full screen without any video distortion through DTV input.



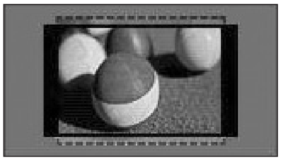
- **4:3**

  The following selection will allow you to view a picture with an original 4:3 aspect ratio.



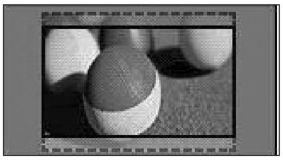
- **14:9**

  You can view a picture format of 14:9 or a general TV programme in the 14:9 mode. The 14:9 screen is viewed in the same way as in 4:3, but is moved to the up and down.



- **Zoom**

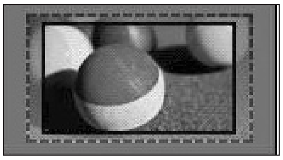
  The following selection will allow you to view the picture without any alteration, while filling the entire screen. However, the top and bottom of the picture will be cropped.



- **Cinema Zoom**

  Choose Cinema Zoom when you want to enlarge the picture in correct proportion.

  Note:When enlarging or reducing the picture, the image may become distorted.



◄ or ► button: Adjust enlarge proportion of Cinema Zoom. The adjustment range is 1 to 16.
▼ or ▲ button: Move the screen.

❗ NOTE

- ► You can only select **4:3**, **16:9** (Wide), **14:9**, **Zoom/Cinema Zoom** in Component mode.
- ► You can only select **4:3**, Original, **16:9** (Wide), **14:9**, **Zoom/Cinema Zoom** in HDMI mode.
- ► You can only select **4:3**, **16:9** (Wide) in RGB-PC, HDMI-PC mode only.
- ► In DTV/HDMI/Component (over 720p) mode, **Just Scan** is available.
- ► In Analogue/DTV/AV/Scart mode, Full Wide is available.

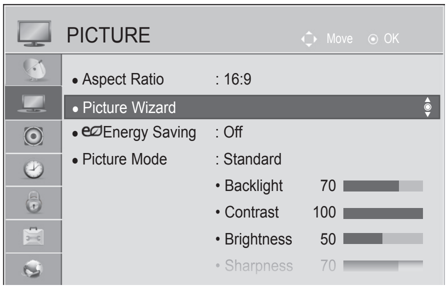
PICTURE WIZARD

This feature lets you adjust the picture quality of the original image.

Use this to calibrate the screen quality by adjusting the Black and White Level etc. General users can calibrate the screen quality by easily following each stage.

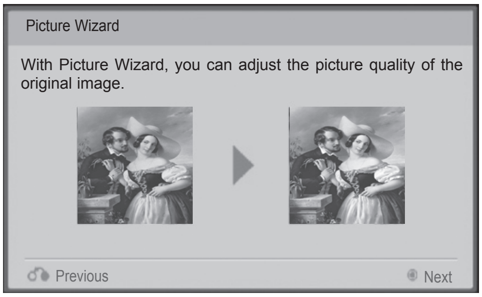
When you adjust the image to Low, Recommended or High, you can see the changed result as an example.

In RGB-PC/HDMI-PC/DVI-PC mode, the changed Colour, Tint and H/V Sharpness values are not applied.



PICTURE

- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 70
  - Contrast 100
  - Brightness 50
  - Sharpness 70



Picture Wizard

With Picture Wizard, you can adjust the picture quality of the original image.

1 Select **PICTURE**.

2 Select **Picture Wizard**.

3 Adjust **Standard(Black Level, White Level, Tint, Colour, Horizontal Sharpness, Vertical Sharpness, Backlight**) or **Preferred(Black Level, White Level, Tint, Colour, Sharpness, Dynamic Contrast**, **Colour Temperature**, **Backlight**).

4 Select input source to apply the settings.

5

- If you stop the setting before the final stage, the changes will not be applied
- The adjustment value is saved to **Expert1**.
- Once the Picture Wizard sets the image quality, the Energy Saving is changed into Off.
- If the picture quality setting of **Expert1** is changed, use the **Picture Reset** before entering the **Picture Wizard** to reset the picture quality setting.
- **Standard** : mode to set standard picture quality.
- **Preferred** : mode to set user preferred picture quality rather than standard picture.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

ENERGY SAVING

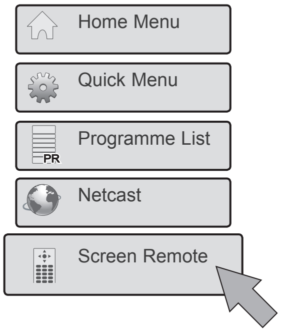
It reduces the TV’s power consumption.

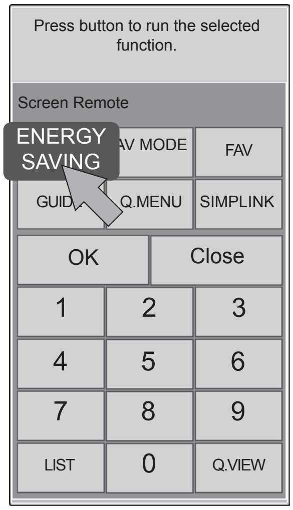
The default factory setting is adjusted to the comfortable level to be viewed at home.

You can increase the brightness of your screen by adjusting the **Energy Saving level** or by setting the **Picture Mode**.

When adjusting Energy Saving in MHEG/MHP mode, the Energy Saving setting is applied after MHEG/MHP is finished.

Selecting ‘**Screen Off**’ while tuned to a radio station channel will reduce power consumption.


Home Menu
Quick Menu
Programme List
PR
Netcast
Screen Remote


Press button to run the selected function.
Screen Remote
ENERGY SAVING
AV MODE
FAV
GUIDE
Q.MENU
SIMPLINK
OK
Close
1
2
3
4
5
6
7
8
9
LIST
0
Q.VIEW

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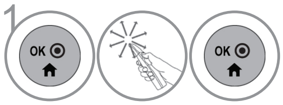
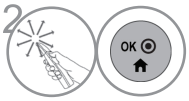
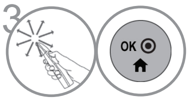
1 

Select **Screen Remote**.

2 

Select **ENERGY SAVING**.

3 

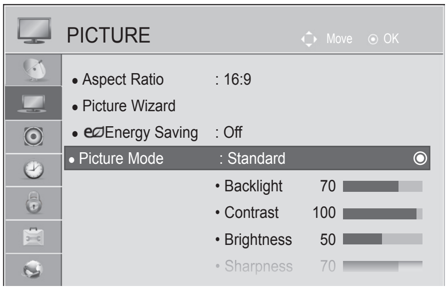
Select **ENERGY SAVING** repeatedly to select your desired menu option.

- When you select Screen Off, the screen will be turned off in 3 seconds and Screen Off will start.
- If you adjust “**Energy Saving-Auto**, **Maximum**”, **Backlight** feature will not work.
- You can also adjust this feature by selecting **Energy Saving** button on the remote control.
- When selecting Auto, Backlight is automatically adjusted through intelligent sensor according to the surrounding condition when intelligent sensor is in the TV.
- You can also adjust **Energy Saving** in the **PICTURE** menu.

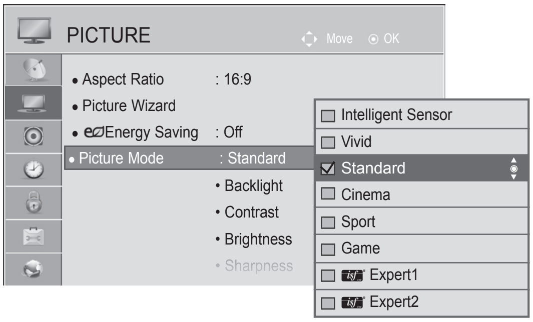
PRESET PICTURE SETTINGS

Picture Mode-Preset

Vivid	Strengthen the contrast, brightness, colour and sharpness for vivid picture.
Standard	The most general screen display status.
Cinema	Optimizes video for watching movies.
Sport	Optimizes video for watching sports events.
Game	Optimizes video for playing games.

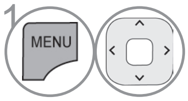


- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 70
  - Contrast 100
  - Brightness 50
  - Sharpness 70

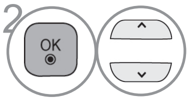


- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight
  - Contrast
  - Brightness
  - Sharpness

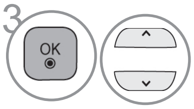
☐ Intelligent Sensor
☐ Vivid
☑ Standard
☐ Cinema
☐ Sport
☐ Game
☐ Expert1
☐ Expert2



Select **PICTURE**.



Select **Picture Mode**.



Select **Intelligent Sensor**, **Vivid**, **Standard**, **Cinema, Sport** or **Game**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

- **Picture Mode** adjusts the TV for the best picture appearance. Select the preset value in the **Picture Mode** menu based on the programme category.
- When the Intelligent sensor function is on, the most suitable picture is automatically adjusted according to the surrounding conditions.
- You can also adjust **Picture Mode** in the **Q. Menu**.
- **Intelligent Sensor** : Adjusts picture according to the surrounding conditions.

PICTURE CONTROL

MANUAL PICTURE ADJUSTMENT

Picture Mode-User option

Backlight
To control the brightness of the screen, adjust the brightness of LCD panel.
Adjusting the backlight when setting the brightness of the set is recommended.

Contrast
Adjusts the signal level between black and white in the picture. You may use Contrast when the bright part of the picture is saturated.

Brightness
Adjusts the base level of the signal in the picture.

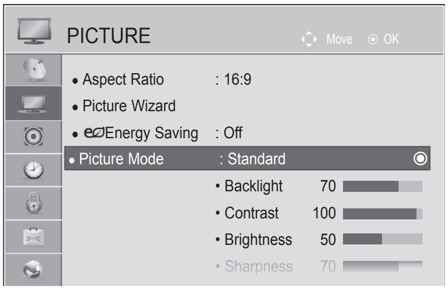
Sharpness
Adjusts the level of crispness in the edges between the light and dark areas of the picture.
The lower the level, the softer the image.

Colour
Adjusts intensity of all colours.

Tint
Adjusts the balance between red and green levels.

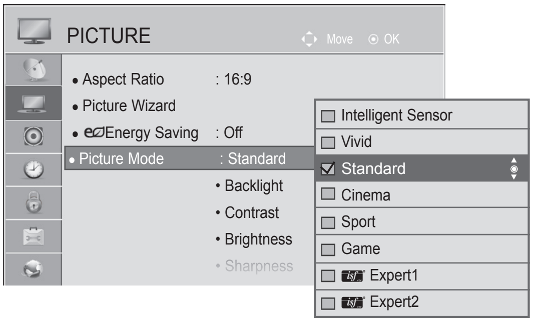
Colour Temp.
Adjust to left direction to make a picture reddish or adjust to right direction to make a picture bluish.

It is not available to use this function in “**Intelligent Sensor**”.



PICTURE

- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 70
  - Contrast 100
  - Brightness 50
  - Sharpness 70



PICTURE

- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight
  - Contrast
  - Brightness
  - Sharpness

☐ Intelligent Sensor
☐ Vivid
☑ Standard
☐ Cinema
☐ Sport
☐ Game
☐ Expert1
☐ Expert2

1 Select **PICTURE**.

2 Select **Picture Mode**.

3 Select **Vivid**, **Standard**, **Cinema, Sport** or **Game**.

4 Select **Backlight**, **Contrast**, **Brightness**, **Sharpness**, **Colour, Tint** or **Colour Temp.**.

5 Make appropriate adjustments.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

- **Benefits of using Backlight**
- The electricity consumption is reduced by up to 60 %.
- The black brightness is reduced. (As the black has greater depth, you can enjoy a better quality definition.)
- You can adjust brightness with maintaining original signal resolution.

❗ NOTE

- ► You cannot adjust colour, sharpness and tint in the RGB-PC/HDMI-PC mode.
- ► When the **Expert 1/2** is selected, you can select **Backlight**, **Contrast**, **Brightness**, **H Sharpness, V Sharpness**, **Colour** or **Tint.**

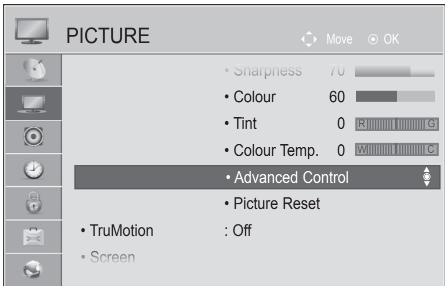
PICTURE CONTROL

PICTURE IMPROVEMENT TECHNOLOGY

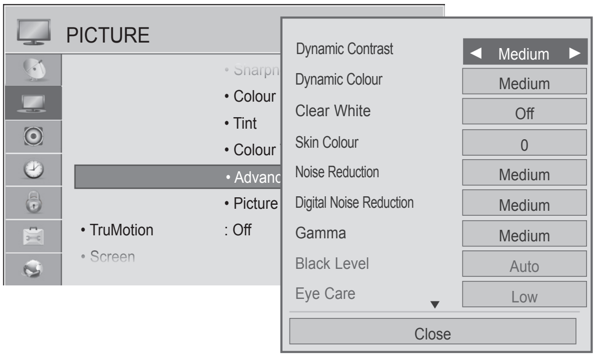
You can calibrate the screen for each Picture Mode or set the video value according to the special video screen.

You can set the video value differently for each input.

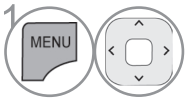
To reset to the factory default screen after making adjustments to each video mode, execute the “Picture Reset” function for each Picture Mode.



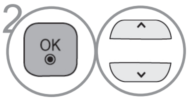
- Sharpness 70
- Colour 60
- Tint 0 R G
- Colour Temp. 0 W C
- Advanced Control
- Picture Reset
- TruMotion : Off
- Screen



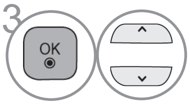
Dynamic Contrast	◄ Medium ►
Dynamic Colour	Medium
Clear White	Off
Skin Colour	0
Noise Reduction	Medium
Digital Noise Reduction	Medium
Gamma	Medium
Black Level	Auto
Eye Care	Low



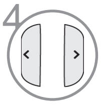
Select **PICTURE**.



Select **Advanced Control**.



Select your desired Source.:
Dynamic Contrast, **Dynamic Colour**, **Clear White, Skin Colour, Noise Reduction**, **Digital Noise Reduction**, **Gamma**, **Black Level**, **Eye Care**, **Real Cinema, Colour Gamut** or **xvYCC.** (Refer to p. 132 to 133)



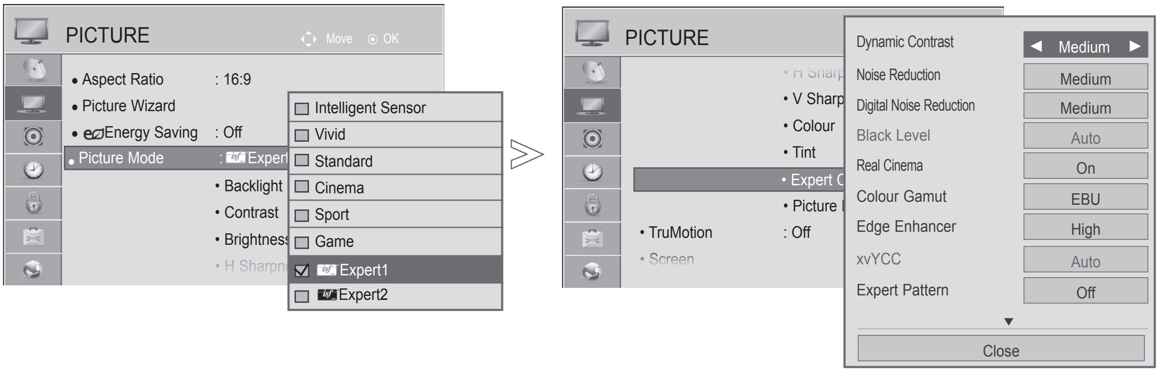
Make appropriate adjustments.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

EXPERT PICTURE CONTROL

By segmenting categories, **Expert1** and **Expert2** provide more categories which users can set as they see fit, offering the optimal picture quality for users.

This may also be used to help a professional optimize the TV performance using specific videos.



PICTURE

- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Expert1
- Backlight
- Contrast
- Brightness
- H Sharpness

☐ Intelligent Sensor
☐ Vivid
☐ Standard
☐ Cinema
☐ Sport
☐ Game
☑ Expert1
☐ Expert2

PICTURE

- H Sharp
- V Sharp
- Colour
- Tint
- Expert C
- Picture
- TruMotion : Off
- Screen

Dynamic Contrast	◄ Medium ►
Noise Reduction	Medium
Digital Noise Reduction	Medium
Black Level	Auto
Real Cinema	On
Colour Gamut	EBU
Edge Enhancer	High
xvYCC	Auto
Expert Pattern	Off

---

1 Select **PICTURE**.

2 Select **Picture Mode**.

3 Select **Expert1** or **Expert2**.

4 Select **Expert Control**.

5 Select your desired Source.

6 Make appropriate adjustments.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PICTURE CONTROL

*This feature is not available for all models.

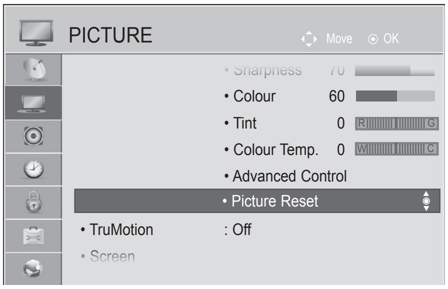
Dynamic Contrast (Off/Low/Medium/High)	■ Adjusts the contrast to keep it at the best level according to the brightness of the screen. The picture is improved by making bright parts brighter and dark parts darker.
Dynamic Colour (Off/Low/High)	■ Adjusts screen colours so that they look livelier, richer and clearer. This feature enhances hue, saturation and luminance so that red, blue, green and white look more vivid.
Skin Colour (-5 to 5)	■ Adjusts skin colour of the picture so that user can set his favourite skin colour.
Noise Reduction (Off/Low/Medium/High/ Auto(In Analogue Mode Only))	■ Reduces screen noise without compromising video quality.
Digital Noise Reduction (Low/Medium/High/Off)	■ Reduces noise regarding MPEG compressed video.
Gamma (Advanced Control: Low/Medium/High Expert Control: 1.9/2.2/2.4)	■ You can adjust brightness of dark area and middle gray level area of the picture. • **Low/1.9** : Makes dark and middle gray level area of the picture brighter. • **Medium/2.2** : Expresses original picture levels. • **High/2.4**: Makes dark and middle gray level area of the picture darker.
Black Level (Low/High/Auto)	• **Low** : The picture of the screen gets darker. • **High** : The picture of the screen gets brighter. • **Auto** : Sets black level of the screen to High or Low automatically according to the input signal level. ■ This function enables to select 'Low' or 'High' in the following mode: AV(NTSC-M), HDMI or Component. Otherwise, 'Black level' is set to 'Auto'.
Clear White (Off/Low/High)	■ Makes the white area of the screen brighter and clearer.
Eye Care (Low/High/Off)	*This feature is not available for all models. ■ Adjusts the brightness of the screen automatically to the best level for eyes when the screen is too bright. ■ This feature is disable in “**Picture Mode-Vivid**, **Cinema**, **Expert1, Expert2, Intelligent Sensor**”.
Real Cinema (On/Off)	■ You can watch a cinema-like video by eliminating judder effect. ■ Uses this function when you watch film-originated movie contents. ■ This function can work when TruMotion is off.

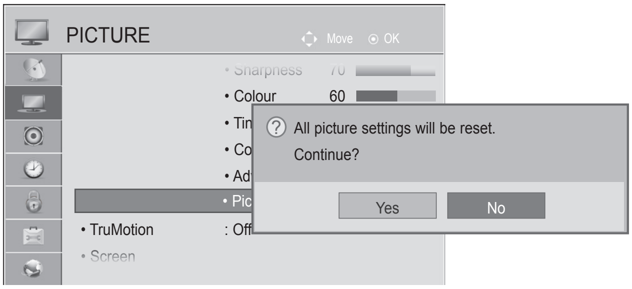
Colour Gamut (Advanced Control) (Wide/Standard)	• **Standard** : Mode to use original colour area regardless of the display characteristics. • **Wide:** Mode to use maximum colour area of the TV display.
Colour Gamut (Expert Control) (EBU/SMPTE/BT709/Wide/Standard)	• **Standard** : Mode to use original colour area regardless of the display characteristics. • **Wide** : Mode to use maximum colour area of the TV display. • **EBU** : Mode to display EBU colour area. • **SMPTE** : Mode to display SMPTE colour area. • **BT709** : Mode to display BT709 colour area.
Edge Enhancer (LCD TV/LED LCD TV :Off/Low/High)	■ Makes the edge of the picture clearer and distinctive. ■ This function can use in “Picture Mode-Expert.”
xvYCC (Auto/off/on)	*This feature is not available for all models. ■ This is the function to express richer colour. ■ This function is enabled in "Picture mode - Cinema, Expert" when xvYCC signal is inputted through HDMI
Expert Pattern (Off/Pattern1/Pattern2)	■ This is the pattern necessary for checking the picture of Digital TV. ■ This function is enabled in "Picture Mode - Expert" when you watch DTV.
Colour Filter (Off/Red/Green/Blue)	■ This is the function to filter the specific colours of the video. You can use the RGB filter to set colour saturation and hue accurately.
Colour Temperature (Medium/Warm/Cool)	This is the function to adjust the overall colour of the screen to the feeling you want. a. • Method : 2 Points • Pattern: Inner, Outer • Red/Green/Blue Contrast, Red/Green/Blue Brightness: The adjustment range is -50 to +50. b. • Method : 10 point IRE • Pattern: Inner / Outer • IRE (Institute of Radio Engineers) is the unit to display the size of the video signal and can be set among 10, 20, 30 to 100. You can adjust Red, Green or Blue according to each setting. • Luminance: This function displays calculated luminance value for 2.2 gamma. You can input luminance value you want at 100 IRE, than the target luminance value for 2.2 gamma is displayed at every 10 steps from 10 IRE to 90 IRE. • Red/Green/Blue: The adjustment range is -50 to +50.
Colour Management System	■ As the tool used by the experts to make adjustments by using the test patterns, this does not affect other colours but can be used to selectively adjust the 6 colour areas (Red/Green/Blue/Cyan/Magenta/Yellow). Colour difference may not be distinctive even when you make the adjustments for the general video. ■ Adjusts Red/Green/Blue/Yellow/Cyan/Magenta. • Red/Green/Blue/Yellow/Cyan, Magenta Colour : The adjustment range is -30 to +30. • Red/Green/Blue/Yellow/Cyan/Magenta Tint : The adjustment range is -30 to +30. ■ This feature is disable in RGB-PC and HDMI (PC) mode.

PICTURE CONTROL

PICTURE RESET

Settings of the selected picture modes return to the default factory settings.


PICTURE
Move
OK
• Sharpness 70
• Colour 60
• Tint 0 R G
• Colour Temp. 0 W C
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen


PICTURE
Move
OK
• Sharpness 70
• Colour 60
• Tin
• Co
• Adv
• Pic
• TruMotion : Off
• Screen
Yes
No

All picture settings will be reset.
Continue?

1. Select **PICTURE**.
2. Select **Picture Reset**.
3. Select **Yes**.
4. Initialize the adjusted value.

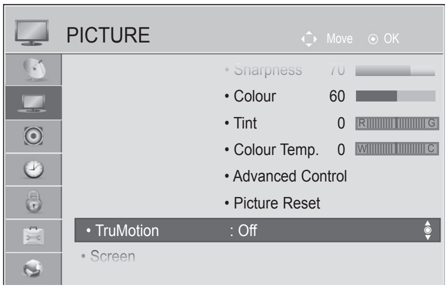
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TRUMOTION

It is used for the best picture quality without any motion blur or judder when you enter a quick image or Film Source.

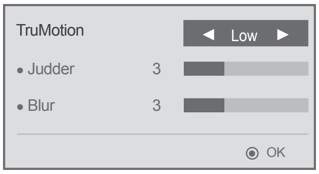
High : Provide smoother picture movement.
Low : Provide smooth picture movement. Use this setting for standard use.
Off : Turn off TruMotion Operation.
User : User can adjust **Judder** and **Blur** level in TruMotion Operation, separately.
 - Judder : Adjust noise of the screen.
 - Blur : Adjust after-image of the screen.

This feature is disable in RGB-PC,HDMI-PC mode.
If you enable "TruMotion", noise may appear on the screen.
If this occurs, set "TruMotion" to "Off".
If you select “**Picture Mode-Game** ”, set “**TruMotion**" to "**Off**".



PICTURE

• Sharpness 70
• Colour 60
• Tint 0
• Colour Temp. 0
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen



TruMotion ◄ Low ►
• Judder 3
• Blur 3

1 Select **PICTURE**.

2 Select **TruMotion**.

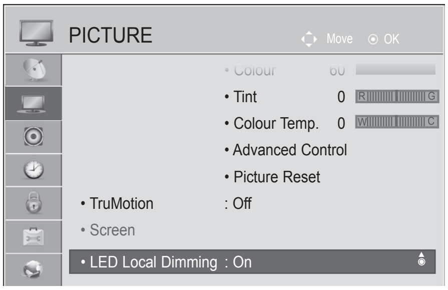
3 Select **Low, High, User** or **Off**.

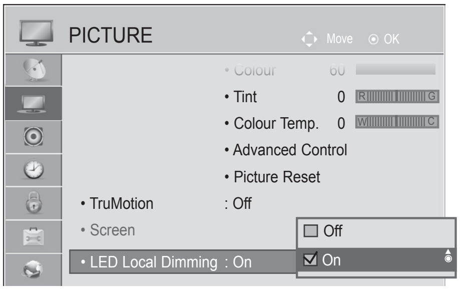
4 Make appropriate adjustments.

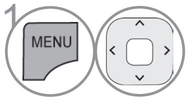
• Press the **MENU/EXIT** button to return to normal TV viewing.
• Press the **BACK** button to move to the previous menu screen.

LED LOCAL DIMMING

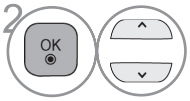
After analyzing the signal of the input video by areas of the screen, it adjusts the backlight to improve the contrast ratio.


PICTURE
Move
OK
• Colour 60
• Tint 0 R G
• Colour Temp. 0 W C
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen
• LED Local Dimming : On

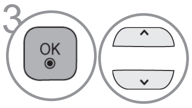

PICTURE
Move
OK
• Colour 60
• Tint 0 R G
• Colour Temp. 0 W C
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen
• LED Local Dimming : On
☐ Off
☑ On



1 Select **PICTURE**.



2 Select **LED Local Dimming**.



3 Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

POWER INDICATOR

Adjust the power/standby indicator light on the front of the TV.

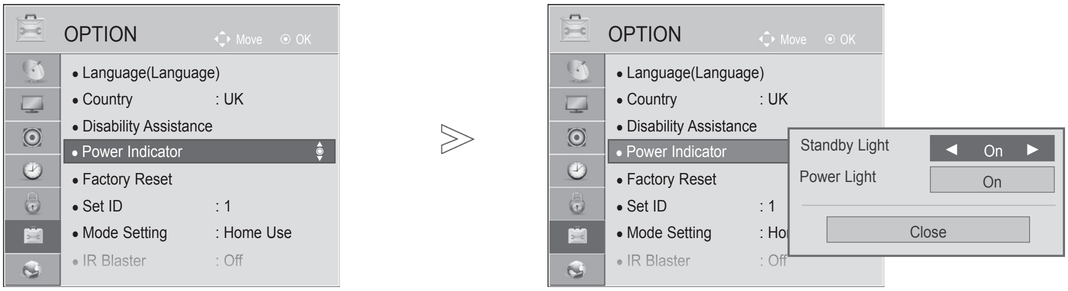
Standby Light

Determines whether to set the indicator light on the front of the TV to **On** or **Off** in standby mode.

Power Light

Determines whether to set the indicator light on the front of the TV to **On** or **Off** when the power turns on.

If you select 3D mode, **Power indicator** is turned off automatically.


OPTION
Move
OK
• Language(Language)
• Disability Assistance
• Power Indicator
• Factory Reset
OPTION
Move
OK
• Language(Language)
• Disability Assistance
• Power Indicator
• Factory Reset
Close

• Country : UK
• Set ID : 1
• Mode Setting : Home Use
• IR Blaster : Off

Standby Light ◄ On ►
Power Light On

1 Select **OPTION**.

2 Select **Power Indicator**.

3 Select **Standby Light** or **Power Light**.

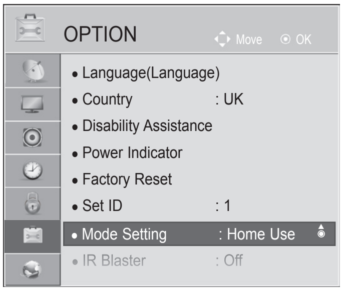
4 Select your desired Source.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

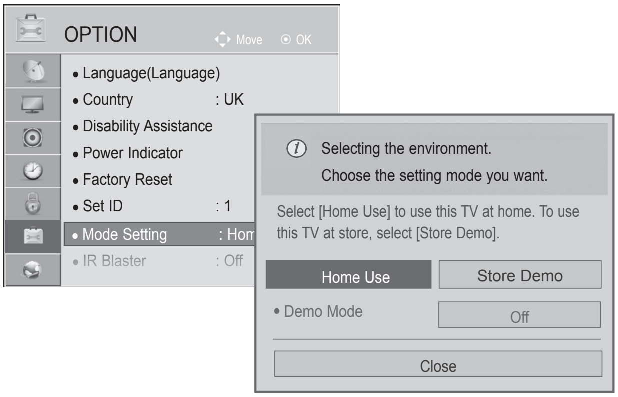
PICTURE CONTROL

MODE SETTING

We recommend setting the TV to “**Home Use** ” mode for the best picture in your home environment.
“**Store Demo** ” mode is an optimal setting for displaying at stores.



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Hom
- IR Blaster : Off

Selecting the environment.
Choose the setting mode you want.

Select [Home Use] to use this TV at home. To use this TV at store, select [Store Demo].

• Demo Mode Off

1 MENU Select **OPTION**.

2 OK Select **Mode Setting**.

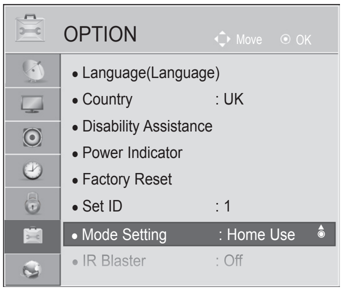
3 OK Select **Store Demo** or **Home Use**.

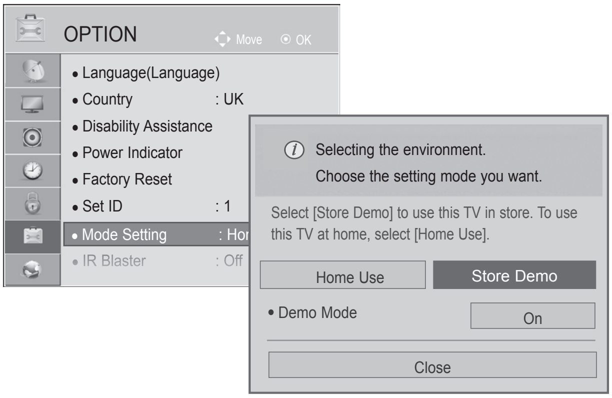
4 OK Save.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

DEMO MODE

It is not possible to use **Demo Mode** in **Home Use** mode.
In **Store Demo**, **Demo Mode** is automatically set to **On**.
Once **Demo Mode** is set to **Off** in **Store Demo**, **Demo Mode** does not run and only the screen is reset.
The screen is reset automatically after 5 minutes in **Demo Mode**.


OPTION
Move
OK
• Language(Language)
• Country : UK
• Disability Assistance
• Power Indicator
• Factory Reset
• Set ID : 1
• Mode Setting : Home Use
• IR Blaster : Off

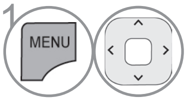

OPTION
Move
OK
• Language(Language)
• Country : UK
• Disability Assistance
• Power Indicator
• Factory Reset
• Set ID : 1
• Mode Setting : Hor
• IR Blaster : Off

Selecting the environment.
Choose the setting mode you want.

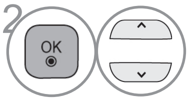
Select [Store Demo] to use this TV in store. To use this TV at home, select [Home Use].

Home Use
Store Demo
• Demo Mode
On
Close

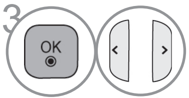
---

1 

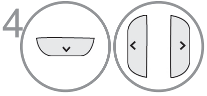
Select **OPTION**.

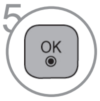
2 

Select **Mode Setting**.

3 

Select **Store Demo**.

4 
Select **On**.

5 

Move to the previous menu screen.
If you want to stop the demo, press any button.
(except for MUTE, ⊿ **+** , **-** button)

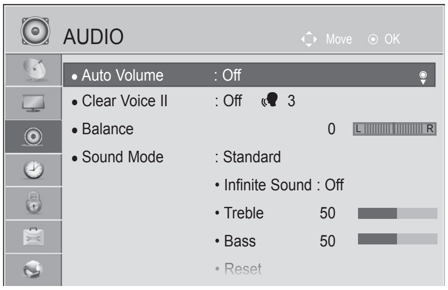
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

AUTO VOLUME LEVELER

Auto Volume automatically remains on the same level of volume if you change programmes.

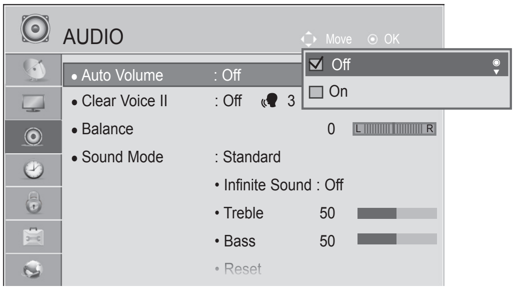
Because each broadcasting station has its own signal conditions, volume adjustment may be needed every time the programme is changed. This feature allows users to enjoy stable volume levels by making automatic adjustments for each programme.

If sound quality or volume is not at the level you want, it is recommended to use a separate home theater system or amp to cope with different user environments.



AUDIO

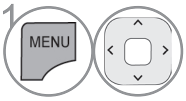
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset



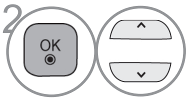
AUDIO

- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset

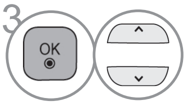
☑ Off
☐ On



Select **AUDIO**.



Select **Auto Volume**.

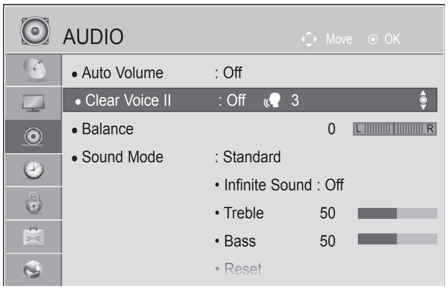


Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

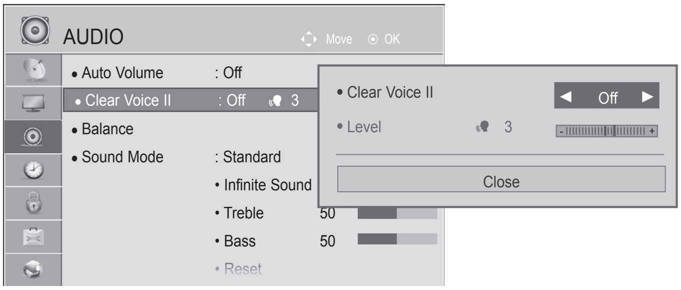
CLEAR VOICE II

By differentiating the human sound range from others, it helps users listen to human voices better.



AUDIO

- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0 L R
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset



AUDIO

- Auto Volume : Off
- Clear Voice II : Off 3
- Balance
- Sound Mode : Standard
  - Infinite Sound
  - Treble 50
  - Bass 50
  - Reset

- Clear Voice II ◄ Off ►
- Level 3 - +

1 Select **AUDIO**.

2 Select **Clear Voice II**.

3 Select **On** or **Off**.

- If you select “**On**” for **Clear Voice II**, **Infinite Sound** feature will not work.
- Select levels from ‘-6’ to ’+6’.

Adjustment for Clear Voice Level With selecting On

4 Select **Level**.

5 Make desired adjustment.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

SOUND & LANGUAGE CONTROL

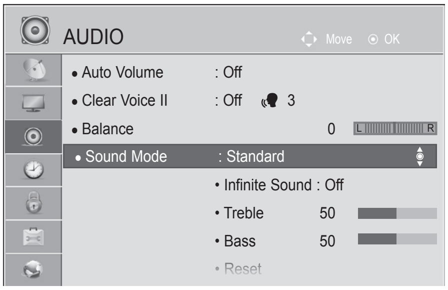
PRESET SOUND SETTINGS-SOUND MODE

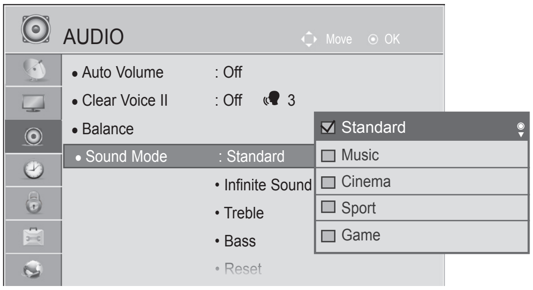
You can select your preferred sound setting; Standard, Music, Cinema, Sport or Game and you can also adjust the Treble, Bass.

Sound Mode lets you enjoy the best sound without any Special adjustment as the TV sets the appropriate sound options based on the programme content.

Standard, Music, Cinema, Sport and Game are preset for optimum sound quality at the factory.

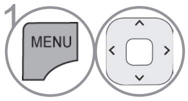
Standard	Offers standard-quality sound.
Music	Optimizes sound for listening to music.
Cinema	Optimizes sound for watching movies.
Sport	Optimizes sound for watching sports events.
Game	Optimizes sound for playing games.


AUDIO
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0 L R
- Sound Mode : Standard
- Infinite Sound : Off
- Treble 50
- Bass 50
- Reset

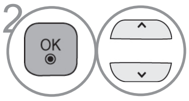

AUDIO
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance
- Sound Mode : Standard
- Infinite Sound
- Treble
- Bass
- Reset

☑ Standard
☐ Music
☐ Cinema
☐ Sport
☐ Game

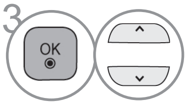
- You can also adjust **Sound Mode** in the **Q. Menu**.



Select **AUDIO**.



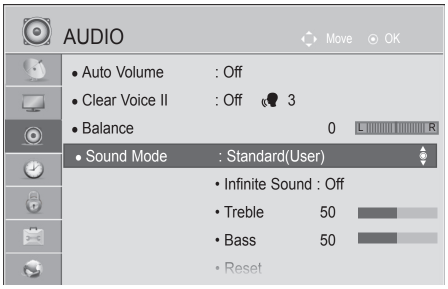
Select **Sound Mode**.

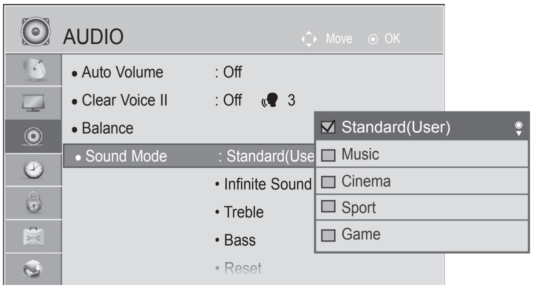


Select **Standard, Music, Cinema, Sport** or **Game**.

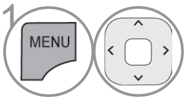
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

SOUND SETTING ADJUSTMENT -USER MODE

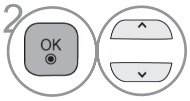

AUDIO
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0
- Sound Mode : Standard(User)
- Infinite Sound : Off
- Treble 50
- Bass 50
- Reset


AUDIO
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance
- Sound Mode : Standard(User)
- Infinite Sound
- Treble
- Bass
- Reset

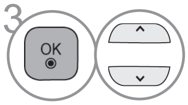
☑ Standard(User)
☐ Music
☐ Cinema
☐ Sport
☐ Game



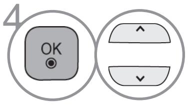
1 Select **AUDIO**.



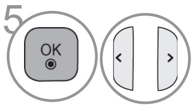
2 Select **Sound Mode**.



3 Select **Standard, Music, Cinema, Sport** or **Game**.



4 Select **Treble** or **Bass**.

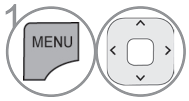


5 Set the desired sound level.

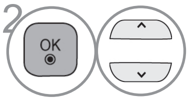
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

INFINITE SOUND

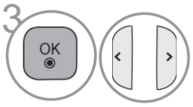
Select this option to sound realistic.



1 Select **AUDIO**.



2 Select **Infinite Sound**.



3 Select **On** or **Off**.

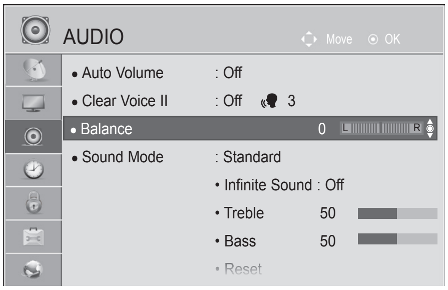
Infinite Sound : Infinite Sound is a patented LG proprietary sound processing technology that strives immersive 5.1 surround sound impression with front two loudspeakers.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

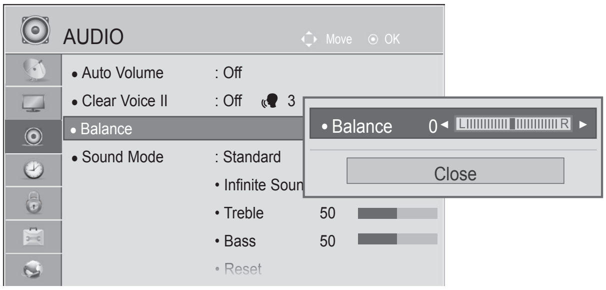
SOUND & LANGUAGE CONTROL

BALANCE

You can adjust the sound balance of the speakers to preferred levels.



- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0 L R
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset



- Auto Volume : Off
- Clear Voice II : Off 3
- Balance
- Sound Mode : Standard
  - Infinite Soun
  - Treble 50
  - Bass 50
  - Reset

- Balance 0 ◄ L R ►

---

1 MENU Select **AUDIO**.

2 OK Select **Balance**.

3 OK Make desired adjustment.

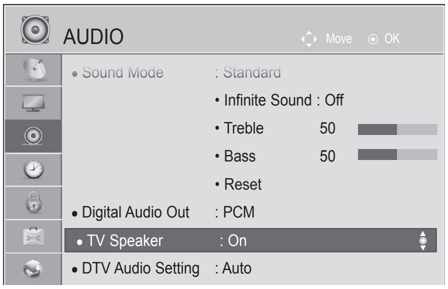
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TV SPEAKERS ON/ OFF SETUP

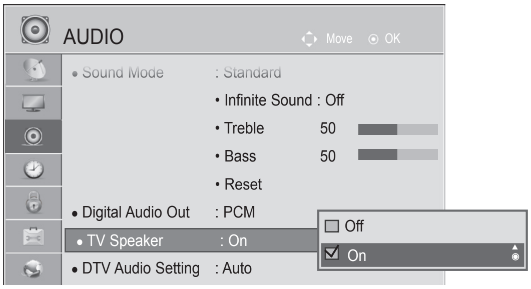
You can adjust the TV internal speaker status.

In **AV**, **COMPONENT**, **RGB** and **HDMI** with HDMI to DVI cable, the TV speaker can be operational even when there is no video signal.

If you wish to use an external Hi-Fi system, turn off the TV’s internal speakers.



AUDIO
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto



AUDIO
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto

☐ Off
☑ On

---

1. Select **AUDIO**.
2. Select **TV Speaker**.
3. Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

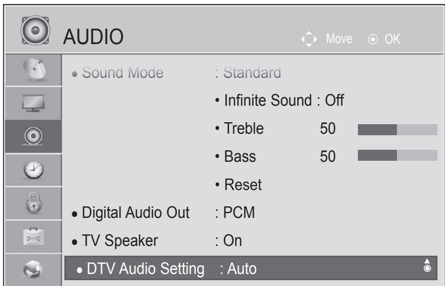
NOTE

► When the TV speaker is turned off while the Simplink home theater is operating, the sound output automatically switches to the Home theater speaker, but when the TV speaker is turned on, the sound output the TV speaker.

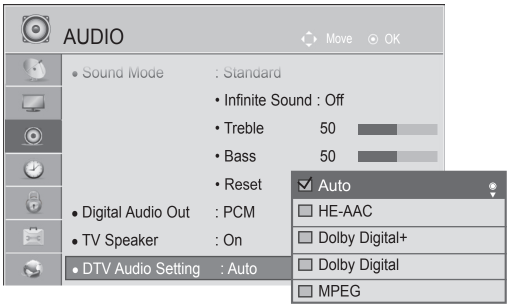
► Some menus in **AUDIO** are disabled when TV Speaker is set to Off.

DTV AUDIO SETTING (IN DIGITAL MODE ONLY)

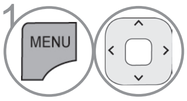
When different audio types exist in an input signal, this function allows you to select the audio type you want.



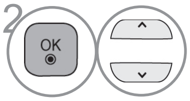
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto



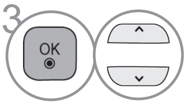
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto



1 Select **AUDIO**.



2 Select **DTV Audio Setting**.



3 Select **Auto, HE-AAC, Dolby Digital +, Dolby Digital** or **MPEG**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

- **Auto**: Automatically outputs in the order **HE-AAC** > **Dolby Digital+** > **Dolby Digital** > **MPEG**. (Except for Italy)
  Auto: Automatically outputs in the order **HE-AAC** > **Dolby Digital+** > **MPEG** > **Dolby Digital**. (Only Italy)
- **HE-AAC, Dolby Digital +, Dolby Digital, MPEG**: Allows users to select the audio type they want.
  ex) If **MPEG** is selected, **MPEG** is always outputted.
  If MPEG is not supported, another audio type is set in that order.
- Refer to p. 153 to 154 (Audio Language Selection)

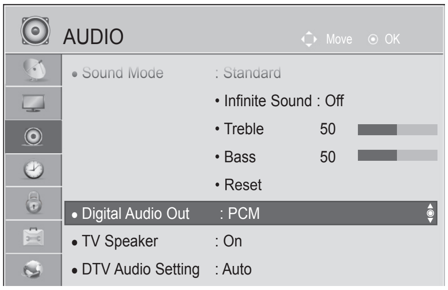
SELECTING DIGITAL AUDIO OUT

This function allows you to select your preferred Digital Audio Output.

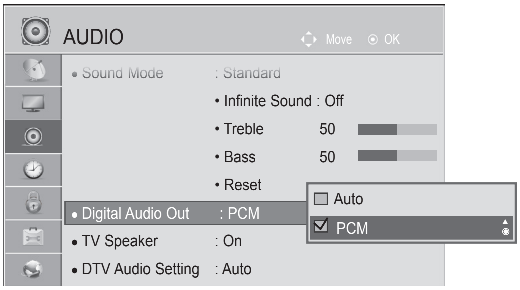
When Dolby Digital is available, selecting Auto in the Digital Audio Out menu will set SPDIF(Sony Philips Digital InterFace) output to Dolby Digital.

If Auto is selected in the digital audio out menu when Dolby Digital is not available, SPDIF output will be PCM(Pulse-code modulation).

Even if both Dolby Digital and Audio language have been set in a channel which broadcast Dolby Digital Audio, only Dolby Digital will be played.



- Sound Mode : Standard
- Infinite Sound : Off
- Treble 50
- Bass 50
- Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto



- Sound Mode : Standard
- Infinite Sound : Off
- Treble 50
- Bass 50
- Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto

☐ Auto
☑ PCM

---

1 Select **AUDIO**.

2 Select **Digital Audio Out**.

3 Select **Auto** or **PCM**.

DOLBY DIGITAL PLUS	Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

- There is a possibility that when HDMI mode, some DVD players do not make SPDIF sound. At that time, set the output of the digital audio of the DVD player to PCM. (In HDMI, Dolby Digital Plus is not supported).

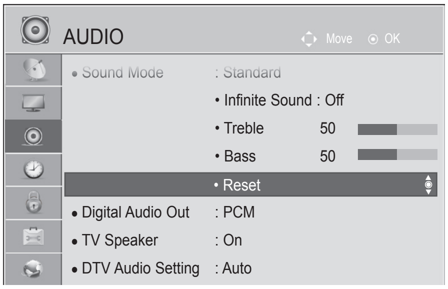
Item	Audio Input	Digital Audio output
Auto(Speaker On)	MPEG Dolby Digital Dolby Digital Plus HE-AAC	PCM Dolby Digital Dolby Digital PCM
Auto(Speaker Off)	MPEG Dolby Digital Dolby Digital Plus HE-AAC	PCM Dolby Digital Dolby Digital Dolby Digital
PCM	All	PCM

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

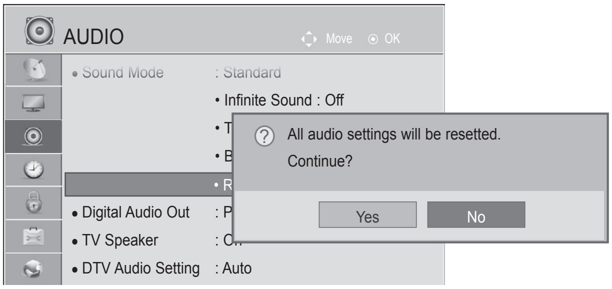
SOUND & LANGUAGE CONTROL

AUDIO RESET

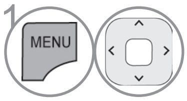
Settings of the selected Sound Mode return to the default factory settings.



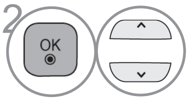
• Sound Mode : Standard
• Infinite Sound : Off
• Treble 50
• Bass 50
• Reset
• Digital Audio Out : PCM
• TV Speaker : On
• DTV Audio Setting : Auto



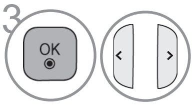
All audio settings will be resetted.
Continue?



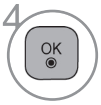
Select **AUDIO**.



Select **Reset**.



Select **Yes**.



Initialize the adjusted value.

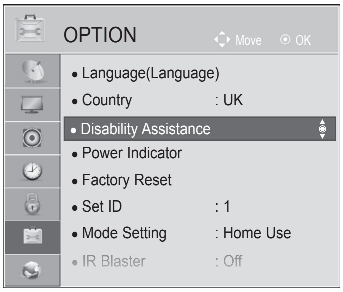
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

AUDIO DESCRIPTION (IN DIGITAL MODE ONLY)

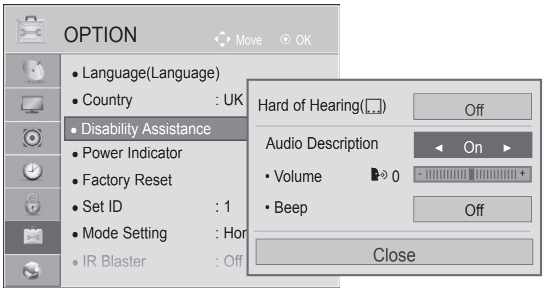
This function is for the blind, and provides explanatory audio describing the current situation in a TV programme in addition to the basic audio.

When Audio Description On is selected, basic audio and Audio Description are provided only for those programmes that have Audio Description included.

Volume	Changes the Audio Description volume
Beep	Beeps when a programme with Audio Description information is selected



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Hor
- IR Blaster : Off

Hard of Hearing( ) Off
Audio Description ◄ On ►
• Volume 0
• Beep Off

---

1 Select **OPTION**.

2 Select **Disability Assistance**.

3 Select **Audio Description**.

Adjustment for Audio Description Volume With selecting On

4 Select **Volume** or **Beep**.

5 Make desired adjustment.

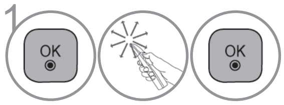
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

SOUND & LANGUAGE CONTROL

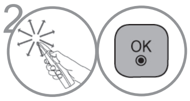
I/II

STEREO/DUAL RECEPTION (IN ANALOGUE MODE ONLY)

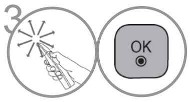
When a programme is selected, the sound information for the station appears with the programme number and station name.



Select **Quick Menu**.



Select **Audio** or **Audio Language**.



Select the sound output.

Broadcast	On Screen Display
Mono	MONO
Stereo	STEREO
Dual	DUAL I, DUAL II, DUAL I+II

- **Mono sound selection**

  If the stereo signal is weak in stereo reception, you can switch to mono. In mono reception, the clarity of sound is improved.

- **Language selection for dual language broadcast**

  If a programme can be received in two languages (dual language), you can switch to DUAL I, DUAL II or DUAL I+II.

DUAL I	Sends the primary broadcast language to the loudspeakers.
DUAL II	Sends the secondary broadcast language to the loudspeakers.
DUAL I+II	Sends a separate language to each loudspeaker.

NICAM RECEPTION (IN ANALOGUE MODE ONLY)

If the TV is equipped with a receiver for NICAM reception, high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.

Sound output can be selected according to the type of broadcast received.

1. When **NICAM mono** is received, you can select **NICAM MONO** or **FM MONO**.
2. When **NICAM stereo** is received, you can select **NICAM STEREO** or **FM MONO**.
   If the stereo signal is weak, switch to **FM MONO**.
3. When **NICAM dual** is received, you can select **NICAM DUAL I**, **NICAM DUAL II** or **NICAM DUAL I+II** or **FM MONO**.

SPEAKER SOUND OUTPUT SELECTION

In AV, Component, RGB and HDMI mode, you can select output sound for the left and right loudspeakers.

Select the sound output.

L+R: Audio signal from audio L input is sent to the left loudspeaker and audio signal from audio R input is sent to the right loudspeaker.
L+L: Audio signal from audio L input is sent to left and right loudspeakers.
R+R: Audio signal from audio R input is sent to left and right loudspeakers.

SOUND & LANGUAGE CONTROL

ON-SCREEN MENU LANGUAGE / COUNTRY SELECTION

The installation guide menu appears on the TV screen when it is switched on for the first time.

1. Select your desired language.
2. Select your country. (Except for 47/55LX99**)

* If you want to change Language/ Country selection

1. Select **OPTION**.
2. Select **Language(Language)**.
3. Select **Menu Language**.
4. Select your desired language.
5. Save.

1. Select **OPTION**.
2. Select **Country**.
3. Select your country.
4. Select **Yes** or **No**.
5. Save.

(Except for 47/55LX99**)

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NOTE

- ▶ If you do not finish the set-up **Installation Guide** by pressing **BACK** or if you time out on the OSD (On Screen Display) the installation menu will continuously appear until the set up is completed whenever the TV is switched on.
- ▶ If you select the wrong local country, teletext may not appear correctly on the screen and some problems may occur during teletext operation.
- ▶ The CI (Common Interface) function may not be applied based on country broadcasting circumstances.
- ▶ DTV mode control buttons may not function based on country broadcasting circumstances.
- ▶ In country that Digital broadcasting regulation isn’t fixed, some DTV function may not work depending on digital broadcasting circumstances.
- ▶ The Country Setting "UK" should only be activated in UK.
- ▶ If the country setting is set to "--", European terrestrial digital standard broadcasting programmes are available, but some DTV functions may not work properly.

LANGUAGE SELECTION

The Audio function allows selection of a preferred language.
If audio data in a selected language is not broadcast, the default language audio will be played.

Use the Subtitle function when two or more subtitle languages are broadcast. If subtitle data in a selected language is not broadcast, the default language subtitle will be displayed.

When the languages you selected as the primary for Audio Language and Subtitle Language and Text Language are not supported, you can select language in secondary category.

In Digital mode, use the Text language function when two or more Text languages are broadcast. If teletext data in a selected language is not broadcast, the default Text language page will be displayed.

1 Select **OPTION**.

2 Select **Language(Language)**.

3 Select **Audio Language**, **Subtitle Language** or **Text Language**(Except for UK).

4 Select your desired language.

5 Save.

1 Select **OPTION**.

2 Select **Disability Assistance**.

3 Select **Hard of Hearing(▭)**.

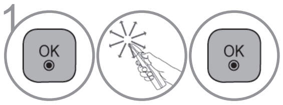
4 Select **On** or **Off**.

- Press the **BACK** button to move to the previous menu screen.

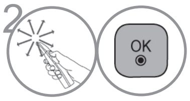
SOUND & LANGUAGE CONTROL

< Audio Language Selection >

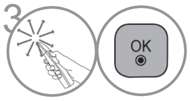
▶ When two or more audio languages are broadcast, you can select the audio language.

1


Select **Quick Menu**.

2


Select **Audio** or **Audio Language**.

3


Select an audio language.

Audio Language OSD Information

Display	Status
N.A	Not Available
MPEG	MPEG Audio
D	Dolby Digital Audio
	Audio for “Visual Impaired”
ABC	Audio for “Hearing Impaired”
D+	Dolby Digital Plus Audio
HE-AAC	HE-AAC Audio

< Subtitle Language Selection >

▶ When two or more subtitle languages are broadcast, you can select the subtitle language with the **SUBTITLE** button on the remote control.

▶ Press the ^ ⌄ button to select a subtitle language.

Subtitle Language OSD Information

Display	Status
N.A	Not Available
TXT	Teletext Subtitle
ABC	Subtitle for “Hard of Hearing”

- The audio/subtitles can be displayed in a simpler form with 1 to 3 characters broadcast by the service provider.
- When you select supplementary Audio (Audio for “Visual/Hearing Impaired”) the TV may output a part of the Main audio.

TIME SETTING

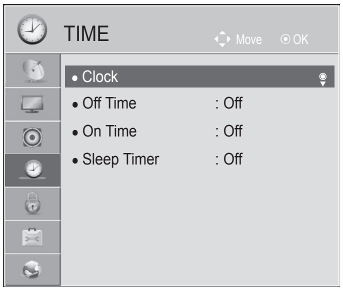
CLOCK SETUP

The clock is set automatically when receiving a digital signal in **Auto** mode. You can set the clock manually in **Manual** mode.
You must set the time correctly before using on/off timer function.

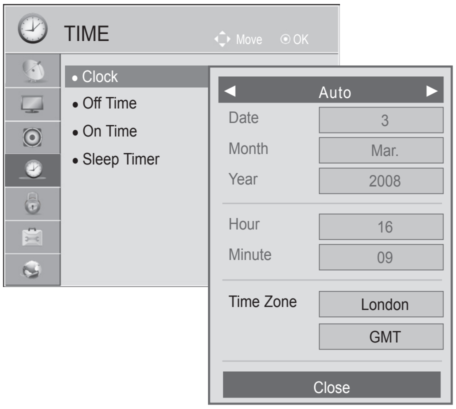
The TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically by a digital signal.

When if the city name in **Time Zone** is changed into offset, you can change time by 1 hour.

Time Zone menu can be changed in **Auto** mode.



- Clock
- Off Time : Off
- On Time : Off
- Sleep Timer : Off



Auto

Date 3

Month Mar.

Year 2008

Hour 16

Minute 09

Time Zone London

GMT

---

1 Select **TIME**.

2 Select **Clock**.

3 Select **Auto** or **Manual**.

4 Select either the year, month, date, time or Time Zone option.

5 Set the year, month, date, time or Time Zone option.

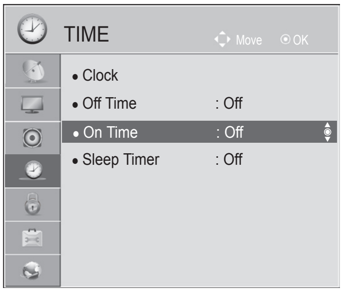
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TIME SETTING

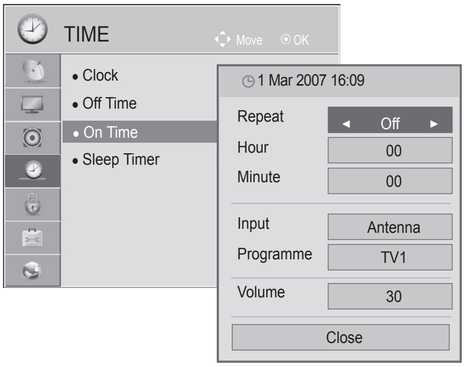
AUTO ON/OFF TIME SETTING

The Off time function automatically switches the TV to standby at a preset time.
Two hours after the TV is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.

The Off time function overrides the On time function if both are set to the same time.
The TV must be in standby mode for the On time to work.



- Clock
- Off Time : Off
- On Time : Off
- Sleep Timer : Off



1 Mar 2007 16:09

Repeat	◄ Off ►
Hour	00
Minute	00
Input	Antenna
Programme	TV1
Volume	30

1 Select **TIME**.

2 Select **Off Time** or **On Time**.

3 Select **Repeat**.

4 Select **Off**, **Once**, **Daily**, **Mon. ~ Fri.**, **Mon. ~ Sat.**, **Sat. ~ Sun.** or **Sun.**.

5 Set the hour.

6 Set the minutes.

- To cancel **On/Off Time** function, select **Off**.
- For On Time function only

1 Select **Input**.

2 Select the input source.

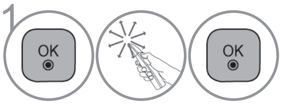
3 Set the programme.

4 Adjust volume level at switch-on.

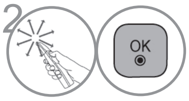
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

SLEEP TIMER SETTING

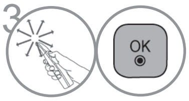
You do not have to remember to switch the TV off before you go to sleep.
The sleep timer automatically switches the TV to standby after the preset time has elapsed.

1


Select **Quick Menu**.

2


Select **Sleep Timer**.

3


Select **Off**, **10**, **20**, **30**, **60**, **90**, **120**, **180** or **240 min**.

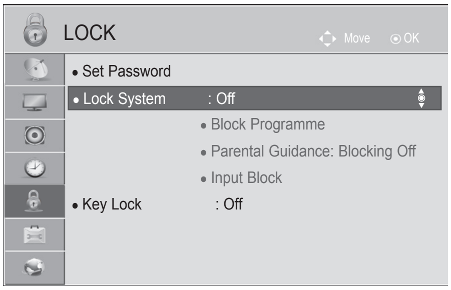
- When you switch the TV off, the preset sleep timer is cancelled.
- You can also adjust **Sleep Timer** in the **TIME** menu.

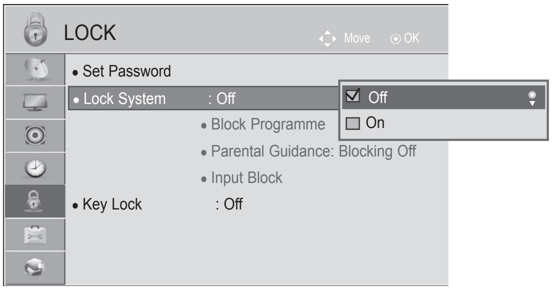
PARENTAL CONTROL / RATINGS

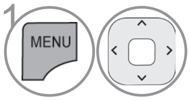
SET PASSWORD & LOCK SYSTEM

Enter the password, press ‘0’, ‘0’, ‘0’, ‘0’ on the remote control handset.
When France is selected for Country, password is not ‘0’, ‘0’, ‘0’, ‘0’ but ‘1’,’2’,’3’,’4’.
When France is selected for Country, password cannot be set as ‘0’, ‘0’, ‘0’, ‘0’.

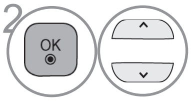
If a channel is locked, enter the password to unlock it temporarily.


LOCK
Move
OK
• Set Password
• Lock System : Off
• Block Programme
• Parental Guidance: Blocking Off
• Input Block
• Key Lock : Off

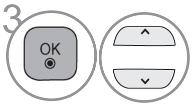

LOCK
Move
OK
• Set Password
• Lock System : Off
☑ Off
☐ On
• Block Programme
• Parental Guidance: Blocking Off
• Input Block
• Key Lock : Off



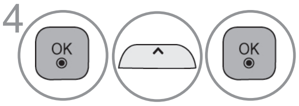
1 Select **LOCK**.



2 Select **Lock System**.



3 Select **On**.



4 Set the password.

5 Input a 4-digit password.
Be sure to remember this number!
Re-enter new password for confirm.

- If you forget your password, press ‘0’, ‘3’, ‘2’, ‘5’ on the remote control handset.

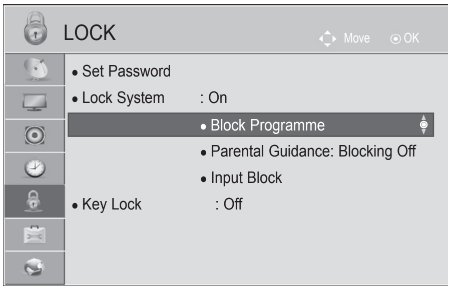
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

BLOCK PROGRAMME

Blocks any programme that you do not want to watch or that you do not want your children to watch.

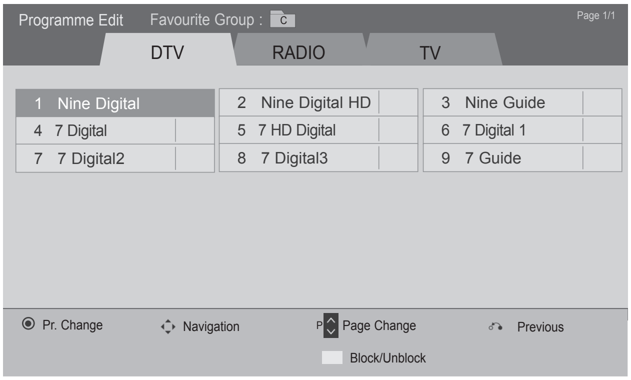
It is available to use this function in **Lock System** ”**On**”.

Enter a password to watch a blocked programme.



LOCK
Move OK

- Set Password
- Lock System : On
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off



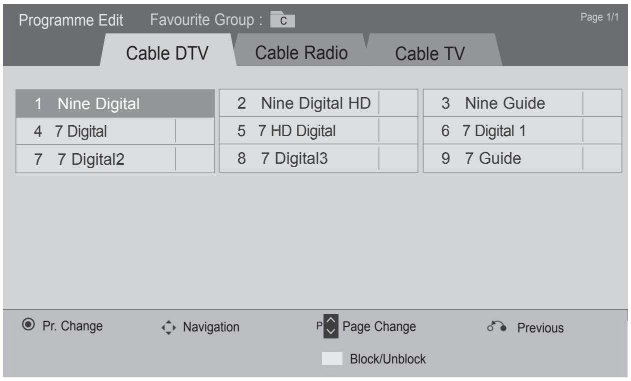
Programme Edit Favourite Group : C Page 1/1

DTV RADIO TV

1 Nine Digital	2 Nine Digital HD	3 Nine Guide
4 7 Digital	5 7 HD Digital	6 7 Digital 1
7 7 Digital2	8 7 Digital3	9 7 Guide

Pr. Change Navigation Page Change Previous
Block/Unblock

or



Programme Edit Favourite Group : C Page 1/1

Cable DTV Cable Radio Cable TV

1 Nine Digital	2 Nine Digital HD	3 Nine Guide
4 7 Digital	5 7 HD Digital	6 7 Digital 1
7 7 Digital2	8 7 Digital3	9 7 Guide

Pr. Change Navigation Page Change Previous
Block/Unblock

---

1 MENU Select **LOCK**.

2 OK Select **Lock System**.

3 Select **Block Programme**.

4 OK Enter the **Block Programme**.

5 YELLOW Select a programme to be locked.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PARENTAL CONTROL / RATINGS

PARENTAL CONTROL (IN DIGITAL MODE ONLY)

This function operates according to information from the broadcasting station. Therefore if the signal has incorrect information, this function does not operate.

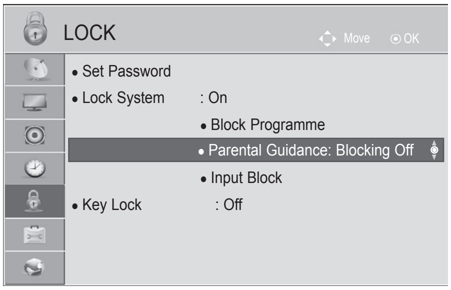
A password is required to gain access to this menu.

This set is programmed to remember which option it was last set to even if you switch the set off.

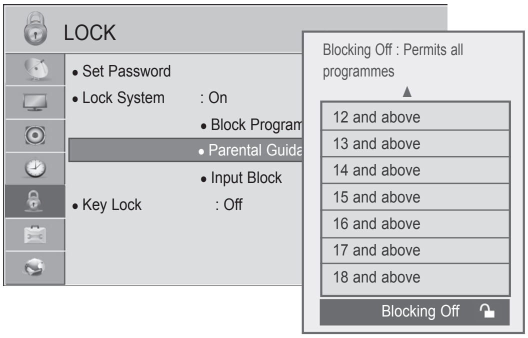
Prevents children from watching certain adult's TV programmes, according to the ratings limit set.

Enter a password to watch a blocked programme.

Rating differs by country.



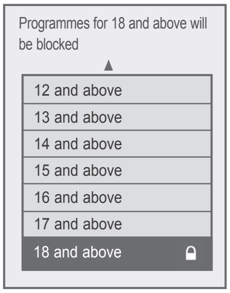
- Set Password
- Lock System : On
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off



Blocking Off : Permits all programmes

- 12 and above
- 13 and above
- 14 and above
- 15 and above
- 16 and above
- 17 and above
- 18 and above
- Blocking Off

(Except for France)



Programmes for 18 and above will be blocked

- 12 and above
- 13 and above
- 14 and above
- 15 and above
- 16 and above
- 17 and above
- 18 and above

(Only France)

1 MENU Select **LOCK**.

2 OK Select **Lock System**.

3 Select **Parental Guidance**.

4 OK Make appropriate adjustments.

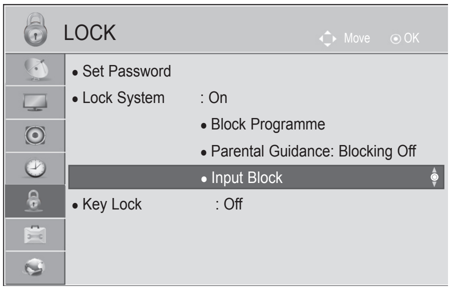
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

EXTERNAL INPUT BLOCKING

Enables you to block an input.

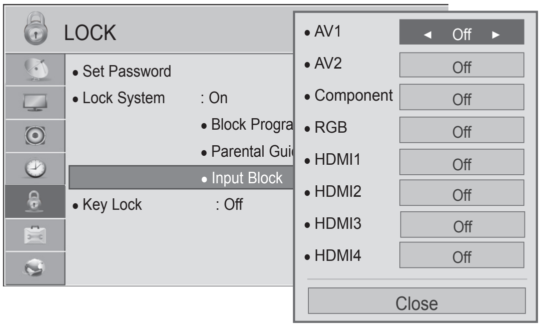
It is available to use this function in **Lock System** ”**On**”.

■ Image shown may differ from your TV.



LOCK

- Set Password
- Lock System : On
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off



LOCK

- Set Password
- Lock System : On
  - Block Progra
  - Parental Gui
  - Input Block
- Key Lock : Off

- AV1 ◄ Off ►
- AV2 Off
- Component Off
- RGB Off
- HDMI1 Off
- HDMI2 Off
- HDMI3 Off
- HDMI4 Off

1 Select **LOCK**.

2 Select **Lock System**.

3 Select **Input Block**.

4 Select input source.

5 Select **On** or **Off**.

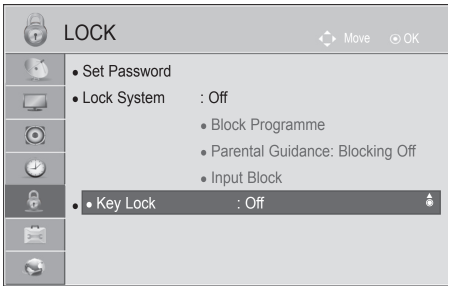
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PARENTAL CONTROL / RATINGS

KEY LOCK

This feature can be used to prevent unauthorized viewing by locking out the front panel controls, so that it can only be used with the remote control.

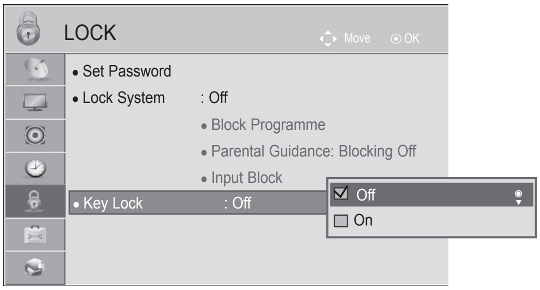
This TV is programmed to remember which option it was last set to even if you turn the TV off.



LOCK

Move OK

- Set Password
- Lock System : Off
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off



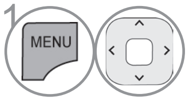
LOCK

Move OK

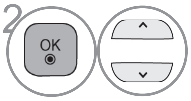
- Set Password
- Lock System : Off
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off

☑ Off

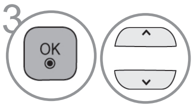
☐ On



1 Select **LOCK**.



2 Select **Key Lock**.



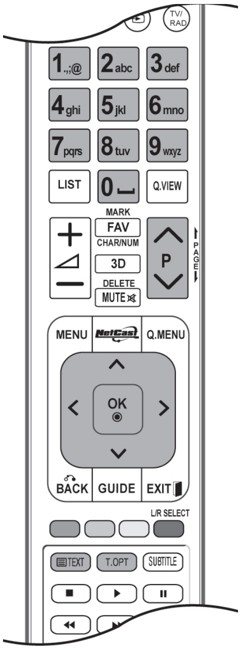
3 Select **On** or **Off**.

- In **Key Lock** ‘**On**’, if the TV is turned off, press the ⏻ **/ I**, INPUT, P ^ v button on the TV or POWER INPUT, P ^ v or NUMBER buttons on the remote control then the set will be turned on.
- With the **Key Lock On**, the display ‘⚠ **Key Lock On** ’ appears on the screen if any button on the front panel is pressed while viewing the TV.
- When another OSD is displayed, ‘⚠ **Key Lock On** ’ will not operate.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TELETEXT

- Image shown may differ from your TV.


TV/RAD
1.,;@
2abc
3def
4ghi
5jkl
6mno
7pqrs
8tuv
9wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE

This feature is not available in all countries.

When this function is in operation, **Screen Remote** Menu's number, OK button does not work.

When this function is in operation, magic motion remote control is not supported here. Use a common remote control.

Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.

The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.

SWITCH ON/OFF

Press the **TEXT** button to switch to teletext. The initial page or last page viewed appears on the screen.

Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.

Press the **TEXT** button to switch off teletext. The previous mode reappears.

SIMPLE TEXT

■ Page selection

1. Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then re-enter the correct page number.
2. The P ^ v button can be used to select the preceding or following page.

TELETEXT

TOP TEXT

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

■ Block / group / page selection

❶ With the blue button you can progress from block to block.
❷ Use the yellow button to proceed to the next group with automatic overflow to the next block.
❸ With the green button you can proceed to the next existing page with automatic overflow to the next group.
❹ Alternatively the P∧ button can be used.
The red button returns to the previous selection. Alternatively the P ∨ button can be used.

■ Direct page selection

As with SIMPLE teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

FASTEXT

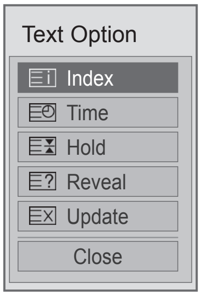
The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

■ Page selection

❶ Press the **T.OPT** button and then use ∧ ∨button to select ≣i menu. Display the index page.
❷ You can select the pages which are colour coded along the bottom line with corresponding coloured buttons.
❸ AS with SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
❹ The P∧ ∨button can be used to select the preceding or following page.

SPECIAL TELETEXT FUNCTIONS

- Press the **T. OPT** button and then use ∧ ∨ button to select the **Text Option** menu.
- In UK(In digital mode), T. OPT button does not work.



■ Index

Select the each index page.

■ Time

When viewing a TV programme, select this menu to display the time at the top right hand corner of the screen.

In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN,‹ › or NUMBER buttons.

■ Hold

Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this menu is selected the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inactive.

■ Reveal

Select this menu to display concealed information, such as solutions to riddles or puzzles.

■ Update

Displays the TV picture on the screen while waiting for a new teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available then display will change to the page number. Select this menu again to view the updated teletext page.

DIGITAL TELETEXT

***This function works in UK, Ireland only.**

When this function is in operation, **Screen Remote** Menu’s number, OK button does not work.

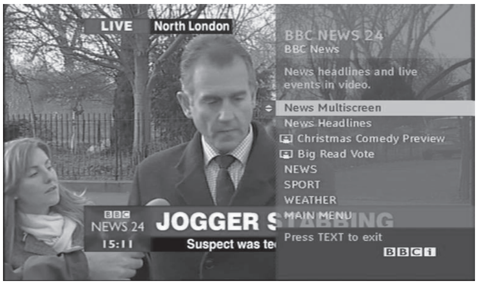
When this function is in operation, magic motion remote control is not supported here. Use a common remote control.

The TV gives you access to digital teletext which is greatly improved in various aspects such as text, graphics etc.

This digital teletext can access special digital teletext services and specific services which broadcast digital teletext.

TELETEXT WITHIN DIGITAL SERVICE

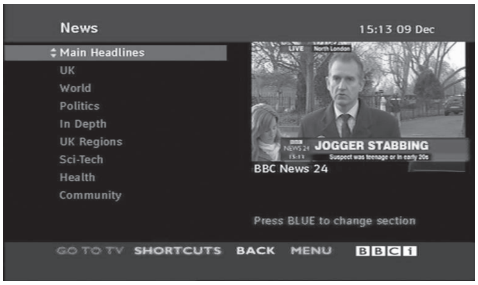
1. Press the numeric or **P** ∧ ∨ button to select a digital service which broadcasts digital teletext.
2. Follow the indications on digital teletext and move onto the next step by pressing **TEXT**, **OK**, ∧ ∨ < >, **RED**, **GREEN**, **YELLOW**, **BLUE** or **NUMBER** buttons and etc..
3. To change digital teletext service, select a different service by the numeric or **P** ∧ ∨ button.


LIVE
North London
BBC NEWS 24
BBC News
News headlines and live events in video.
News Multiscreen
News Headlines
Christmas Comedy Preview
Big Read Vote
NEWS
SPORT
WEATHER
MAIN MENU
BBC NEWS 24
15:11
JOGGER STABBING
Suspect was te
Press TEXT to exit
BBC 1

TELETEXT IN DIGITAL SERVICE

1. Press the numeric or **P** ∧ ∨ button to select a certain service which broadcasts digital teletext.
2. Press the **TEXT** or coloured button to switch on teletext.
3. Follow the indications on digital teletext and move onto the next step by pressing **OK**, ∧ ∨ < >, **RED**, **GREEN**, **YELLOW**, **BLUE** or **NUMBER** buttons and so on.
4. Press the **TEXT** or colour button to switch off digital teletext and return to TV viewing.

Some services may allow you to access text services by pressing the **RED** button.


News
15:13 09 Dec
Main Headlines
UK
World
Politics
In Depth
UK Regions
Sci-Tech
Health
Community
JOGGER STABBING
BBC News 24
Press BLUE to change section
GO TO TV
SHORTCUTS
BACK
MENU
BBC 1

APPENDIX

TROUBLESHOOTING

The TV does not operate properly.	
The remote control does not work	■ Check to see if there is any object between the TV and the remote control causing an obstruction. Ensure you are pointing the remote control directly at the TV. ■ Ensure that the batteries are installed with correct polarity (+ to +, - to -). ■ Install new batteries.
Power is suddenly turned off	■ Is the sleep timer set? ■ Check the power control settings. Has the Power supply been interrupted. ■ If the TV is switched on and there is no input signal, it will switch off automatically after 15 minutes.

The video function does not work.	
No picture & No sound	■ Check whether the TV is switched on. ■ Try another channel. The problem may be with the broadcast. ■ Is the power cord inserted correctly into the mains? ■ Check your antenna direction and/or location. ■ Test the mains outlet by plugging another TV into the same outlet.
Picture appears slowly after switching on	■ This is normal, the image is muted during the TV startup process. Please contact your service centre, if the picture has not appeared after five minutes.
No or poor colour or poor picture	■ Adjust Colour in menu option. ■ Allow a sufficient distance between the TV and the VCR. ■ Try another channel. The problem may be with the broadcast. ■ Are the video cables installed properly? ■ Activate any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	■ Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	■ Station or cable channel experiencing problems, tune to another station. ■ Station signal is weak, reposition the antenna to receive weaker stations. ■ Check for sources of possible interference.
Lines or streaks in pictures	■ Check antenna (Change the position of the antenna).
No picture when connecting HDMI	■ Check that your HDMI cable is High Speed HDMI Cable. If the HDMI cables are not High Speed HDMI Cable, flickering or no screen display can result. Please use the High Speed HDMI Cable.

The audio function does not work.	
Picture OK & No sound	■ Press the ⊿ **+** or **-** button. ■ Sound muted? Press MUTE button. ■ Try another channel. The problem may be with the broadcast. ■ Are the audio cables installed properly?
No output from one of the speakers	■ Adjust **Balance** in menu option.
Unusual sound from inside the TV	■ A change in ambient humidity or temperature may result in an unusual noise when the TV is switched on or off and does not indicate a fault with the TV.
No sound when connecting HDMI or USB	■ Check HDMI cable is High Speed HDMI Cable. ■ Check USB cable over version 2.0. ***This feature is not available for all models.**

There is a problem in PC mode. (Only PC mode applied)	
The signal is out of range (Invalid format)	■ Adjust resolution, horizontal frequency, or vertical frequency. ■ Check the input source.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	■ Use Auto configure or adjust clock, phase, or H/V position. (Option)
Screen colour is unstable or single colour	■ Check the signal cable. ■ Reinstall the PC video card.

There is a problem with PICTURE settings.	
When the user changes the picture settings, the TV automatically converts back to the initial settings after a certain period of time.	■ It means that the TV is currently set to **Store Demo** mode. To switch to **Home use** mode you should do the followings: From the TV Menu, choose **OPTION** -> Choose **Mode Setting** -> Choose **Home use**. Now, you have completed switching to the **Home use** mode.

MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can prolong the life of your new TV.

Caution: Be sure to switch the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

1. A good way to keep the dust off your screen for a while is to wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it is almost dry, and then use it to wipe the screen.

2. Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching on.

Cleaning the Cabinet

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Do not to use a wet cloth.

Extended Absence

⚠ CAUTION

▶ If you expect to leave your TV dormant for prolonged periods (such as a holiday), unplug the power cord to protect against possible damage from lightning or power surges.

APPENDIX

PRODUCT SPECIFICATIONS

MODELS		47LX9***
		47LX9500-ZA / 47LX950N-ZA 47LX9800-ZA / 47LX9900-ZA
Dimensions (Width x Height x Depth)	with stand	1085.9 mm x 710.6 mm x 255.0 mm
	without stand	1085.9 mm x 654.2 mm x 31.6 mm
Weight	with stand without stand	26.7 kg 22.1 kg
Power requirement Power Consumption		AC 100-240 V~ 50 / 60 Hz 210 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm
Environment condition	Operating Temperature Operating Humidity	0 °C to 40 °C Less than 80 %
	Storage Temperature Storage Humidity	-20 °C to 60° C Less than 85 %
Supported movie files		Refer to p. 89 to 90

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		55LX9***
		55LX9500-ZA / 55LX950N-ZA 55LX9800-ZA / 55LX9900-ZA
Dimensions (Width x Height x Depth)	with stand	1255.8 mm x 805.0 mm x 255.0 mm
	without stand	1255.8 mm x 749.6 mm x 31.6 mm
Weight	with stand without stand	32.7 kg 28.1 kg
Power requirement Power Consumption		AC 100-240 V~ 50 / 60 Hz 260 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm
Environment condition	Operating Temperature Operating Humidity	0 °C to 40 °C Less than 80 %
	Storage Temperature Storage Humidity	-20 °C to 60° C Less than 85 %
Supported movie files		Refer to p. 89 to 90

- The specifications shown above may be changed without prior notice for quality improvement.

	Digital TV	Analogue TV
Television System	DVB-T DVB-C	PAL/SECAM B/G/D/K, PAL I/II, SECAM L/L’
Programme Coverage	VHF, UHF	VHF: E2 to E12, UHF: E21 to E69, CATV: S1 to S20, HYPER: S21 to S47
External Antenna Impedance	75 Ω	75 Ω

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

IR CODES

*This feature is not available for all models.

Code (Hexa)	Function	Note
95	Energy Saving	R/C BUTTON
08	POWER	R/C BUTTON(POWER ON/OFF)
0B	INPUT	R/C BUTTON
DC	3D	R/C BUTTON
F0	TV/RAD	R/C BUTTON
45	Q.MENU	R/C BUTTON
43	MENU	R/C BUTTON
AB	GUIDE	R/C BUTTON
40	Up (∧)	R/C BUTTON
41	Down (∨)	R/C BUTTON
07	Left (<)	R/C BUTTON
06	Right (>)	R/C BUTTON
44	OK(◉)	R/C BUTTON
28	BACK	R/C BUTTON
5B	EXIT	R/C BUTTON
AA	INFO ⓘ	R/C BUTTON
30	AV MODE	R/C BUTTON
02	⊿ +	R/C BUTTON
03	⊿ -	R/C BUTTON
1E	FAV (MARK) (CHAR/NUM)	R/C BUTTON
09	MUTE (DELETE)	R/C BUTTON
00	P ∧	R/C BUTTON
01	P ∨	R/C BUTTON
10 to 19	Number Key 0 to 9	R/C BUTTON
53	LIST	R/C BUTTON
1A	Q.VIEW	R/C BUTTON
72	RED Key	R/C BUTTON
71	GREEN Key	R/C BUTTON
63	YELLOW Key	R/C BUTTON
61	BLUE Key (L/R SELECT)	R/C BUTTON
20	TEXT	R/C BUTTON
21	T.OPT(T.Option)	R/C BUTTON
39	SUBTITLE	R/C BUTTON
7E	SIMPLINK	R/C BUTTON
91	AD	R/C BUTTON
B1	■	R/C BUTTON
B0	▶	R/C BUTTON
BA	II	R/C BUTTON
8F	◀◀	R/C BUTTON
8E	▶▶	R/C BUTTON
59	NetCast	R/C BUTTON
58	@	R/C BUTTON
9F	APP/*	R/C BUTTON

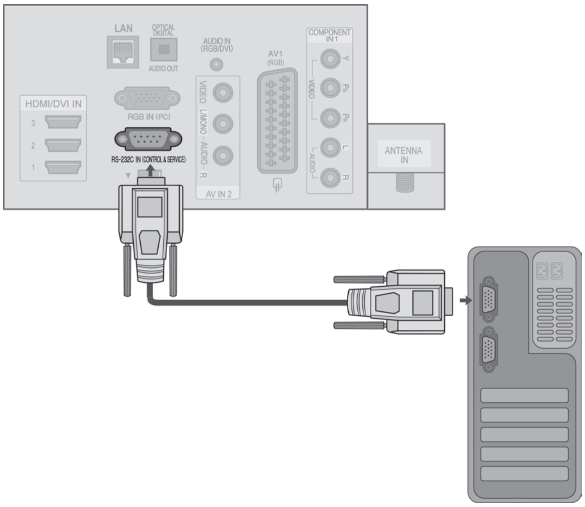
EXTERNAL CONTROL DEVICE SETUP

RS-232C Setup

Connect the RS-232C (serial port) input jack to an external control device (such as a computer or an A/V control system) to control the product's functions externally.

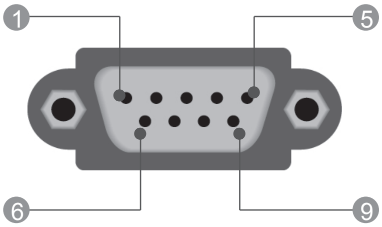
Connect the serial port of the control device to the RS-232C jack on the product back panel.

Note: RS-232C connection cables are not supplied with the product.


LAN
OPTICAL DIGITAL AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
HDMI/DVI IN
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
VIDEO
L(MONO) - AUDIO - R
AV IN 2
ANTENNA IN

Type of Connector; D-Sub 9-Pin Male

No.	Pin Name
1	No connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	DTR (DTE side ready)
5	GND
6	DSR (DCE side ready)
7	RTS (Ready to send)
8	CTS (Clear to send)
9	No Connection



RS-232C Configurations

7-Wire Configurations (Standard RS-232C cable)

	PC	TV	
RXD	2	3	TXD
TXD	3	2	RXD
GND	5	5	GND
DTR	4	6	DSR
DSR	6	4	DTR
RTS	7	8	CTS
CTS	8	7	RTS
	D-Sub 9	D-Sub 9	

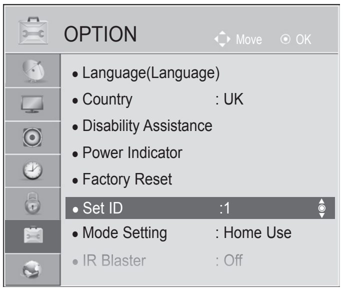
3-Wire Configurations(Not standard)

	PC	TV	
RXD	2	3	TXD
TXD	3	2	RXD
GND	5	5	GND
DTR	4	6	DTR
DSR	6	4	DSR
RTS	7	7	RTS
CTS	8	8	CTS
	D-Sub 9	D-Sub 9	

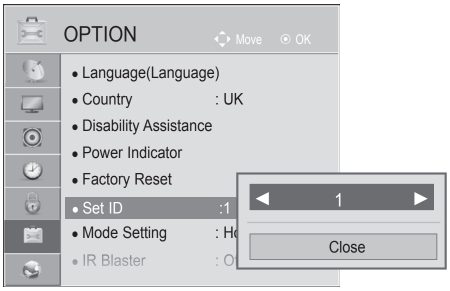
APPENDIX

Set ID

Use this function to specify a set ID number.
Refer to ‘Real Data Mapping’. ▶ **p.178**



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID :1
- Mode Setting : Home Use
- IR Blaster : Off



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID :1
- Mode Setting : Ho
- IR Blaster : O

---

1. Select **OPTION**.
2. Select **Set ID**.
3. Adjust **Set ID** to choose the desired TV ID number.
   The adjustment range of SET ID is 1 to 99.

- Press the **BACK** button to move to the previous menu screen.

Communication Parameters

- Baud rate : 9600 bps (UART)
- Data length : 8 bits
- Parity : None
- Stop bit : 1 bit
- Communication code : ASCII code
- Use a crossed (reverse) cable.

Command Reference List

	COMMAND 1	COMMAND 2	DATA (Hexadecimal)
01. Power	k	a	00 to 01
02. Aspect Ratio	k	c	Refer to p. 176
03. Screen Mute	k	d	Refer to p. 176
04. Volume Mute	k	e	00 to 01
05. Volume Control	k	f	00 to 64
06. Contrast	k	g	00 to 64
07. Brightness	k	h	00 to 64
08. Colour	k	i	00 to 64
09. Tint	k	j	00 to 64
10. Sharpness	k	k	00 to 64
11. OSD Select	k	l	00 to 01
12. Remote control lock mode	k	m	00 to 01
13. Treble	k	r	00 to 64
14. Bass	k	s	00 to 64
15. Balance	k	t	00 to 64
16. Colour Temperature	x	u	00 to 64
17. Energy Saving	j	q	00 to 05
18. Auto Configuration	j	u	01
19. Tune Command	m	a	Refer to p. 178
20. Programme Add/Skip	m	b	00 to 01
21. Key	m	c	Key Code
22. Control Back Light	m	g	00 to 64
23. Input select (Main)	x	b	Refer to p. 179

* Note : During USB operations such as DivX or EMF, all commands except Power(ka) and Key(mc) are not executed and treated as NG.

Transmission / Receiving Protocol

Transmission

[Command1][Command2][ ][Set ID][ ][Data][Cr]

* [Command 1] : First command to control the TV. (j, k, m or x)
* [Command 2] : Second command to control the TV.
* [Set ID] : You can adjust the set ID to choose desired monitor ID number in option menu. Adjustment range is 1 to 99. When selecting Set ID ‘0’, every connected set is controlled. Set ID is indicated as decimal (1 to 99) on menu and as Hexa decimal (0x0 to 0x63) on transmission/receiving protocol.
* [DATA] : To transmit command data. Transmit ‘FF’ data to read status of command.
* [Cr] : Carriage Return ASCII code ‘0x0D’
* [ ] : ASCII code ‘space (0x20)’

OK Acknowledgement

[Command2][ ][Set ID][ ][OK][Data][x]

* The set transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data. If the data is data write mode, it returns the data of the PC computer.

Error Acknowledgement

[Command2][ ][Set ID][ ][NG][Data][x]

* The set transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors.

Data 00: Illegal Code

01. Power (Command: k a)

▶ To control Power On/Off of the set.

Transmission

[k][a][ ][Set ID][ ][Data][Cr]

Data 00 : Power Off 01 : Power On

Ack

[a][ ][Set ID][ ][OK/NG][Data][x]

▶ To show Power On/Off.

Transmission

[k][a][ ][Set ID][ ][FF][Cr]

Ack

[a][ ][Set ID][ ][OK/NG][Data][x]

* Similarly, if other functions transmit '0xFF' data based on this format, Acknowledgement data feed back presents status about each function.

* OK Ack., Error Ack. and other message may display on the screen when TV is power On.

02. Aspect Ratio (Command: k c) (Main Picture Size)

▶ To adjust the screen format. (Main picture format)
You can also adjust the screen format using the **Aspect Ratio** in the Q.MENU. or PICTURE menu.

Transmission

[k][c][ ][Set ID][ ][Data][Cr]

Data 01 : Normal screen (4:3)
02 : Wide screen (16:9)
04 : Zoom
06 : Original
07 : 14:9
09 : Just Scan
0B : Full Wide
10 to 1F : Cinema Zoom 1 to 16

Ack

[c][ ][Set ID][ ][OK/NG][Data][x]

* Using the PC input, you select either 16:9 or 4:3 screen aspect ratio.

* In DTV/HDMI (1080i 50 Hz / 60 Hz, 720p 50Hz / 60 Hz, 1080p 24 Hz / 30 Hz / 50 Hz / 60 Hz), Component(720p, 1080i, 1080p 50 Hz / 60 Hz) mode, Just Scan is available.

* **Full Wide** is supported only for Digital, Analogue, AV.

03. Screen Mute (Command: k d)

▶ To select screen mute on/off.

Transmission

[k][d][ ][Set ID][ ][Data][Cr]

Data 00 : Screen mute off (Picture on)
Video mute off
01 : Screen mute on (Picture off)
10 : Video mute on

Ack

[d][ ][Set ID][ ][OK/NG][Data][x]

* In case of video mute on only, TV will display On Screen Display(OSD). But, in case of Screen mute on, TV will not display OSD.

04. Volume Mute (Command: k e)

▶ To control volume mute on/off.
You can also adjust mute using the MUTE button on remote control.

Transmission

[k][e][ ][Set ID][ ][Data][Cr]

Data 00 : Volume mute on (Volume off)
01 : Volume mute off (Volume on)

Ack

[e][ ][Set ID][ ][OK/NG][Data][x]

05. Volume Control (Command: k f)

▶ To adjust volume.
You can also adjust volume with the VOLUME buttons on remote control.

Transmission

[k][f][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to 'Real data mapping 1'. See page 178.

Ack

[f][ ][Set ID][ ][OK/NG][Data][x]

06. Contrast (Command: k g)

▶ To adjust screen contrast.
You can also adjust contrast in the PICTURE menu.

Transmission

[k][g][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to 'Real data mapping 1'. See page 178.

Ack

[g][ ][Set ID][ ][OK/NG][Data][x]

07. Brightness (Command: k h)

▶ To adjust screen brightness.
You can also adjust brightness in the PICTURE menu.

Transmission

[k][h][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to 'Real data mapping 1'. See page 178.

Ack

[h][ ][Set ID][ ][OK/NG][Data][x]

08. Colour (Command: k i)

▶ To adjust the screen colour.
You can also adjust colour in the PICTURE menu.

Transmission

[k][i][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to 'Real data mapping 1'. See page 178.

Ack

[i][ ][Set ID][ ][OK/NG][Data][x]

09. Tint (Command: k j)

▶ To adjust the screen tint.
You can also adjust tint in the PICTURE menu.

Transmission

[k][j][ ][Set ID][ ][Data][Cr]

Data Red : 00 to Green : 64
* Refer to ‘Real data mapping 1’. See page 178.

Ack

[j][ ][Set ID][ ][OK/NG][Data][x]

10. Sharpness (Command: k k)

▶ To adjust the screen sharpness.
You can also adjust sharpness in the PICTURE menu.

Transmission

[k][k][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 178.

Ack

[k][ ][Set ID][ ][OK/NG][Data][x]

11. OSD Select (Command: k l)

▶ To select OSD (On Screen Display) on/off when controlling remotely.

Transmission

[k][l][ ][Set ID][ ][Data][Cr]

Data 00 : OSD off 01 : OSD on

Ack

[l][ ][Set ID][ ][OK/NG][Data][x]

12. Remote control lock mode (Command: k m)

▶ To lock the front panel controls on the monitor and remote control.

Transmission

[k][m][ ][Set ID][ ][Data][Cr]

Data 00 : Lock off 01 : Lock on

Ack

[m][ ][Set ID][ ][OK/NG][Data][x]

* If you are not using the remote control, use this mode.
When main power is on/off, external control lock is released.
* In the standby mode, if key lock is on, TV will not turn on by power on key of IR & Local Key.

13. Treble (Command: k r)

▶ To adjust treble.
You can also adjust treble in the AUDIO menu.

Transmission

[k][r][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 178.

Ack

[r][ ][Set ID][ ][OK/NG][Data][x]

14. Bass (Command: k s)

▶ To adjust bass.
You can also adjust bass in the AUDIO menu.

Transmission

[k][s][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 178.

Ack

[s][ ][Set ID][ ][OK/NG][Data][x]

15. Balance (Command: k t)

▶ To adjust balance.
You can also adjust balance in the AUDIO menu.

Transmission

[k][t][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 178.

Ack

[t][ ][Set ID][ ][OK/NG][Data][x]

16. Colour Temperature (Command: x u)

▶ To adjust colour temperature. You can also adjust Colour Temperature in the PICTURE menu.

Transmission

[x][u][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 178.

Ack

[u][ ][Set ID][ ][OK/NG][Data][x]

17. Energy Saving (Command: j q)

▶ To reduce the power consumption of the TV. You can also adjust Energy Saving in PICTURE menu.

Transmission

[j][q][ ][Set ID][ ][Data][Cr]

Power Saving Function					Level				Description
7	6	5	4		3	2	1	0	
0	0	0	0	Low Power	0	0	0	0	Off
0	0	0	0	Low Power	0	0	0	1	Minimum
0	0	0	0	Low Power	0	0	1	0	Medium
0	0	0	0	Low Power	0	0	1	1	Maximum
0	0	0	0	Low Power	0	1	0	0	Auto
0	0	0	0	Low Power	0	1	0	1	Screen Off

Ack

[q][ ][Set ID][ ][OK/NG][Data][x]

18. Auto Configure(Command: j u)

▶ To adjust picture position and minimize image shaking automatically. It works only in RGB (PC) mode.

Transmission

[j][u][ ][Set ID][ ][Data][Cr]

Data 01: To set

Ack

[u][ ][Set ID][ ][OK/NG][Data][x]

19. Tune Command (Command: m a)

▶ Select channel to following physical number.

Transmission

[m][a][ ][Set ID][ ][Data0][ ][Data1][ ][Data2][Cr]

Data00 : High channel data
Data01 : Low channel data
ex. No. 47 -> 00 2F (2FH)
No. 394 -> 01 8A (18AH),
DTV No. 0 -> Don't care
Data02 : 0x00 : Analogue Main
0x10 : DTV Main
0x20 : Radio

Channel data range
Analogue - Min: 00 to Max: 63 (0 to 99)
Digital - Min: 00 to Max: 3E7 (0 to 999)
(Except For Sweden, Finland, Norway, Denmark, Ireland)
Digital - Min: 00 to Max: 270F (0 to 9999)
(Only Sweden, Finland, Norway, Denmark, Ireland)

Ack

[a][ ][Set ID][ ][OK/NG][Data][x]

Data Min: 00 to Max: 7DH

20. Programme Add/Skip(Command: m b)

▶ To set skip status for the current Programme.

Transmission

[m][b][ ][Set ID][ ][Data][Cr]

Data 00 : Skip 01 : Add

Ack

[b][ ][Set ID][ ][OK/NG][Data][x]

*** Real data mapping 1**
00 : Step 0
⋮
A : Step 10 (Set ID 10)
⋮
F : Step 15 (Set ID 15)
10 : Step 16 (Set ID 16)
⋮
64 : Step 100
⋮
6E : Step 110
⋮
73 : Step 115
74 : Step 116
⋮
CF : Step 199
⋮
FE : Step 254
FF : Step 255

21. Key(Command: m c)

► To send IR remote key code.

Transmission

[m][c][ ][Set ID][ ][Data][Cr]

Data Key code - Refer to page 172.

Ack

[c][ ][Set ID][ ][OK/NG][Data][x]

22. Control Back Light (Command: m g)

► To Control the back light.

Transmission

[m][g][ ][Set ID][ ][Data][Cr]

Data : data Min: 00 to Max: 64

Ack

[g][ ][Set ID][ ][OK/NG][Data][x]

23. Input select (Command: x b)
(Main Picture Input)

► To select input source for main picture.

Transmission

[x][b][ ][Set ID][ ][Data][Cr]

Data Structure

MSB LSB

0	0	0	0	0	0	0	0
External Input				Input Number			

External Input				Data
0	0	0	0	DTV
0	0	0	1	Analogue
0	0	1	0	AV
0	1	0	0	Component
0	1	1	0	RGB
1	0	0	0	HDMI
0	1	1	1	
1	0	0	0	
1	0	0	1	
1	0	1	0	

Input Number				Data
0	0	0	0	Input1
0	0	0	1	Input2
0	0	1	0	Input3
0	0	1	1	Input4

Ack

[b][ ][Set ID][ ][OK/NG][Data][x]

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Version 2.1, February 1999

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